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(12) **United States Design Patent** (10) **Patent No.:** **US D871,468 S**  
**Delvaux et al.** (45) **Date of Patent:** **\*\* Dec. 31, 2019**

(54) **FLOW INGESTION DISCOURAGER WITH RIDGED PATTERN FOR A TURBOMACHINE SHROUD**

**DESCRIPTION**

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(73) Assignee: **General Electric Company**, Schenectady, NY (US)

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

(21) Appl. No.: **29/598,691**

(22) Filed: **Mar. 28, 2017**

(51) **LOC (12) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/138**

(58) **Field of Classification Search**  
USPC ..... D15/7, 122, 123, 126, 138, 139, 199  
(Continued)

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James W. Pemrick

(57) **CLAIM**

The ornamental design for a flow ingestion discourager with ridged pattern for a turbomachine shroud, as shown and described.

FIG. 1 is a top and perspective view of a design for a flow ingestion discourager with a ridged pattern for a turbomachine shroud.

FIG. 2 is a top view of the design for the flow ingestion discourager with a ridged pattern of FIG. 1 for a turbomachine shroud.

FIG. 3 is a side, elevational view of the design for the flow ingestion discourager of FIG. 1 for a turbomachine shroud, illustrating the ridged pattern being located towards the forward end of the shroud. The forward end is the left side of the shroud in FIG. 3.

FIG. 4 is a side, elevational view of the design for the flow ingestion discourager of FIG. 1 for a turbomachine shroud, illustrating the ridged pattern being located towards the forward end of the shroud. The forward end is the right side of the shroud in FIG. 4.

FIG. 5 is a front view of the design for the flow ingestion discourager with ridged pattern of FIG. 1 for a turbomachine shroud, illustrating a front edge of the ridged pattern on the shroud.

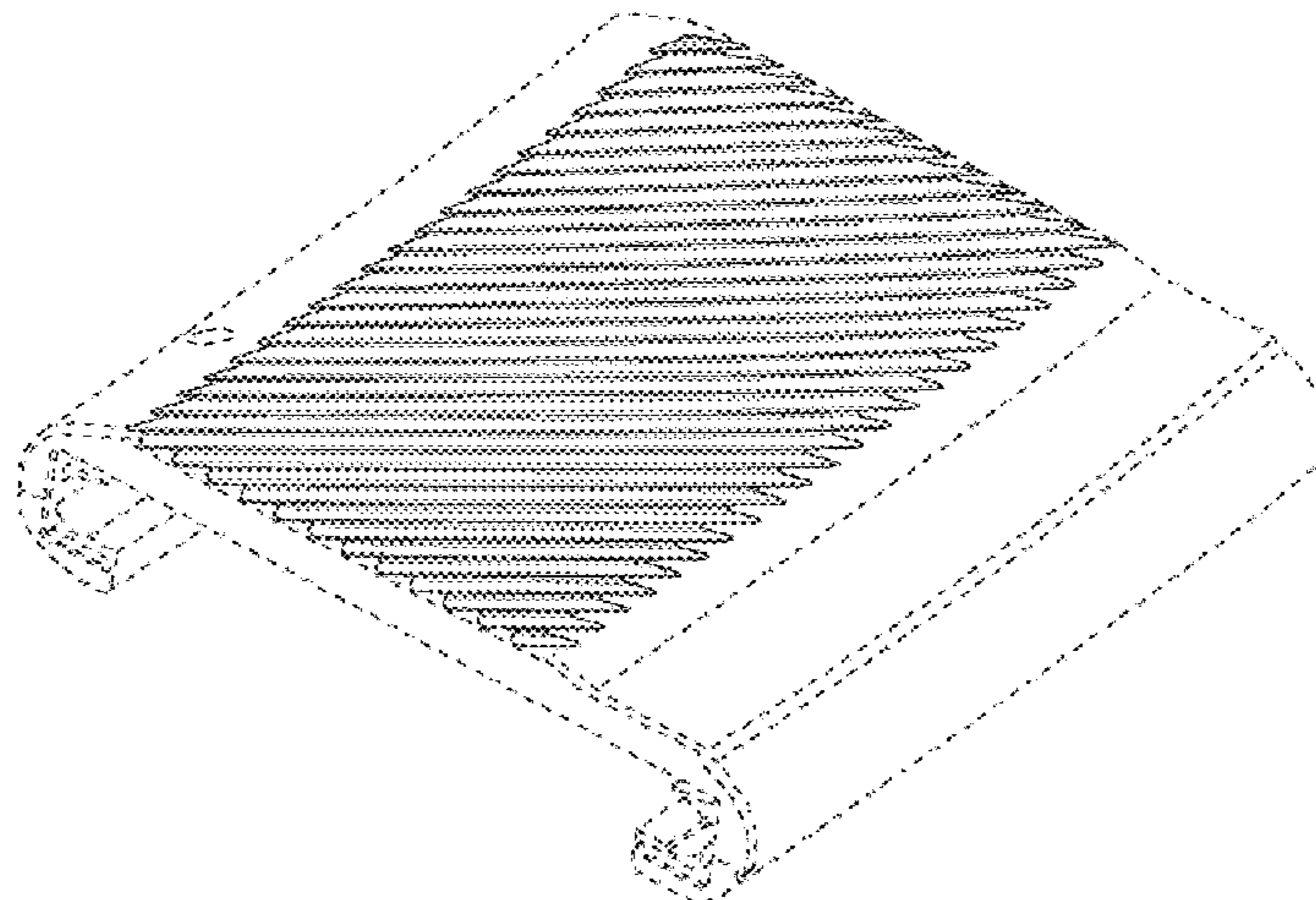
FIG. 6 is a rear view of the design for the flow ingestion discourager with ridged pattern of FIG. 1 for a turbomachine shroud, illustrating a rear or aft edge of the ridged pattern on the shroud.

FIG. 7 is a top and perspective view of the design for the flow ingestion discourager with a ridged pattern of FIG. 1 for a turbomachine shroud, showing the position of the flow ingestion discourager relative to an inspection hole located in the forward end of the shroud.

FIG. 8 is a top view of the design for the flow ingestion discourager with a ridged pattern of FIG. 1 for a turbomachine shroud, showing the position of the flow ingestion discourager relative to an inspection hole located in the forward end of the shroud; and,

FIG. 9 is a front view of the design for a flow ingestion discourager with a ridged pattern of FIG. 1 for a turbomachine shroud, showing the position of the flow ingestion discourager relative to an inspection hole located in the forward end of the shroud.

(Continued)



The broken lines in the drawings represent portions of the flow ingestion discourager with ridged pattern for a turbomachine shroud which form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

**(58) Field of Classification Search**

CPC ..... B29C 71/04; B29L 2031/7504; C04B 35/565; C04B 35/52; C04B 35/44

See application file for complete search history.

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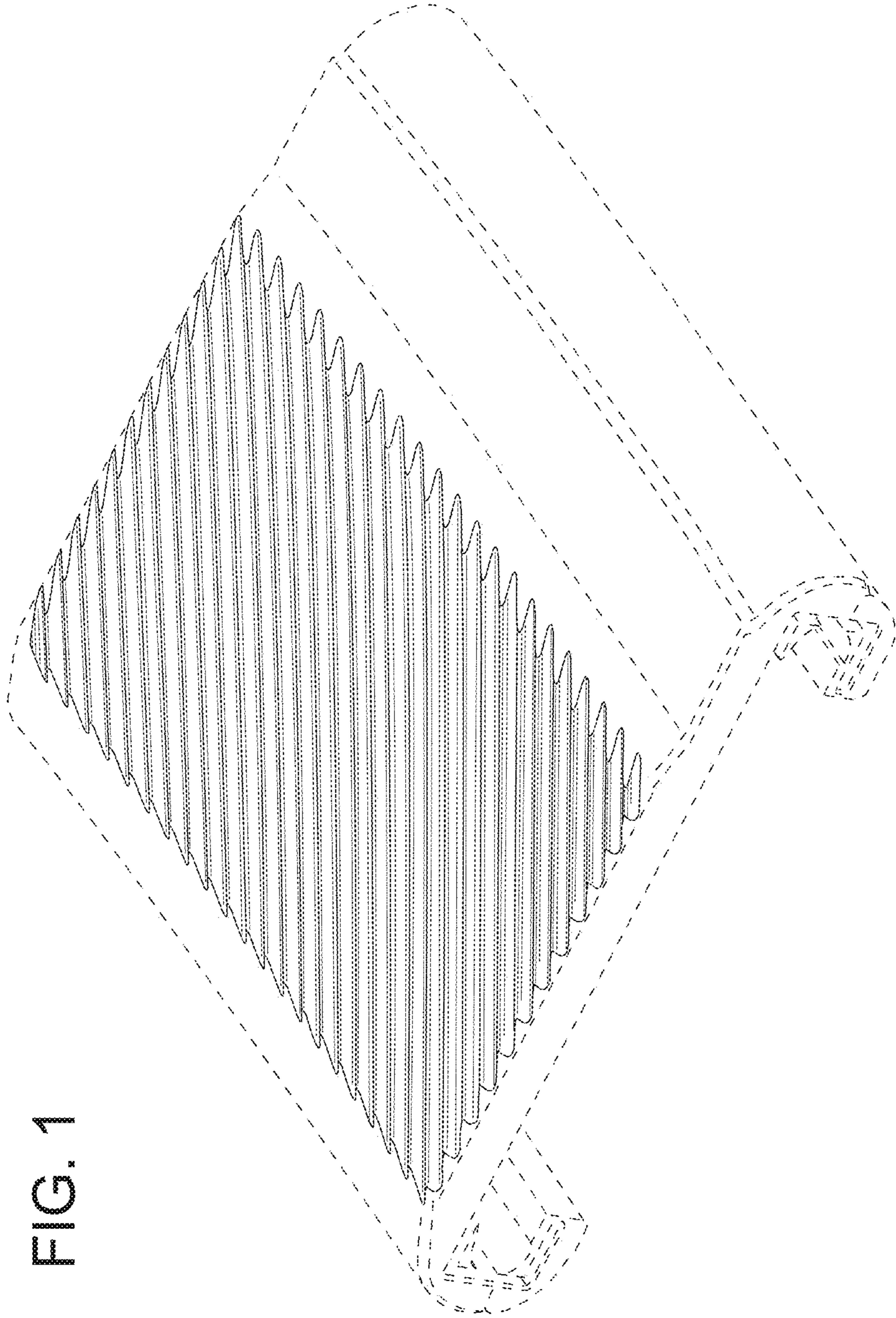


FIG. 1

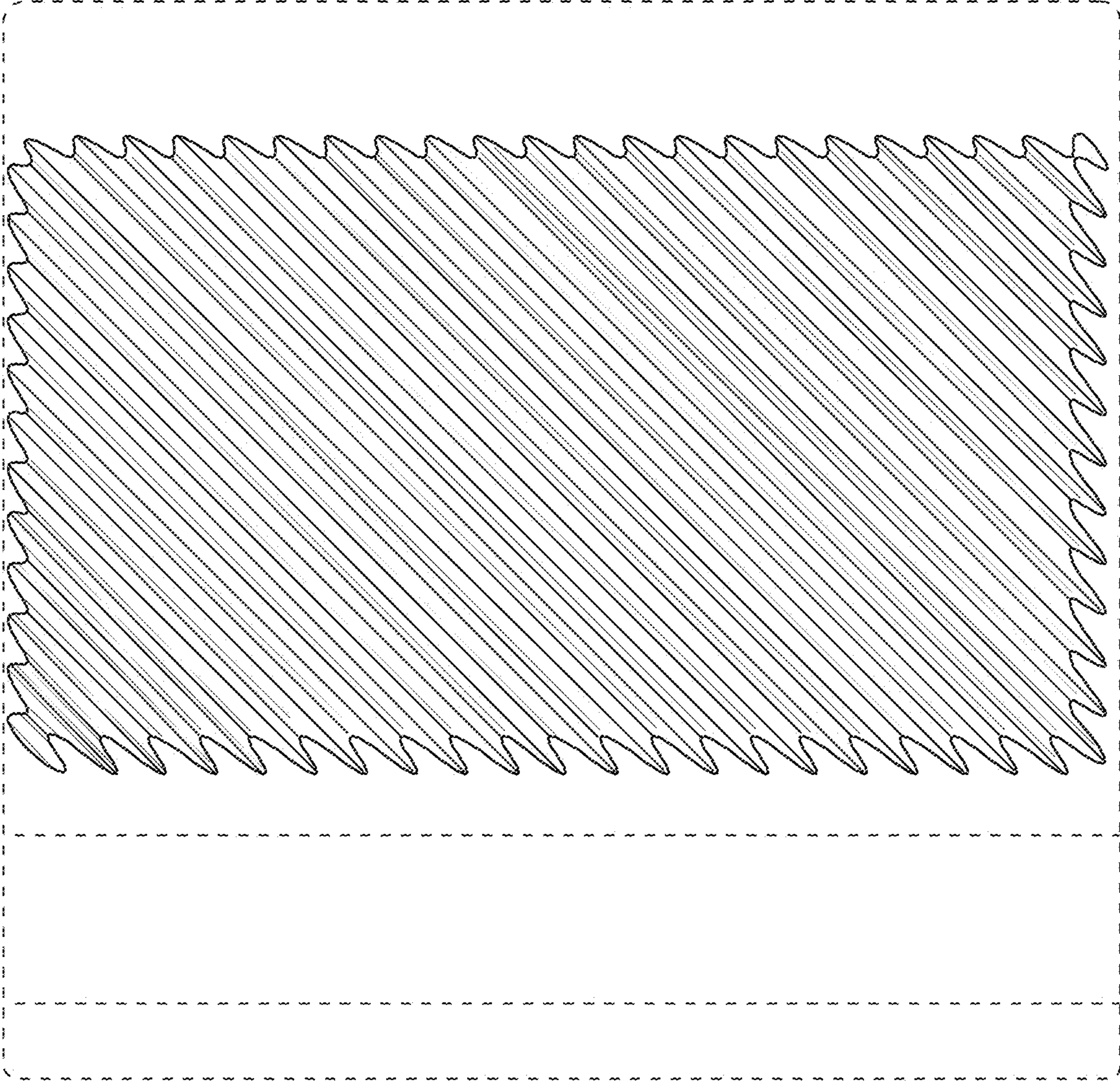


FIG. 2

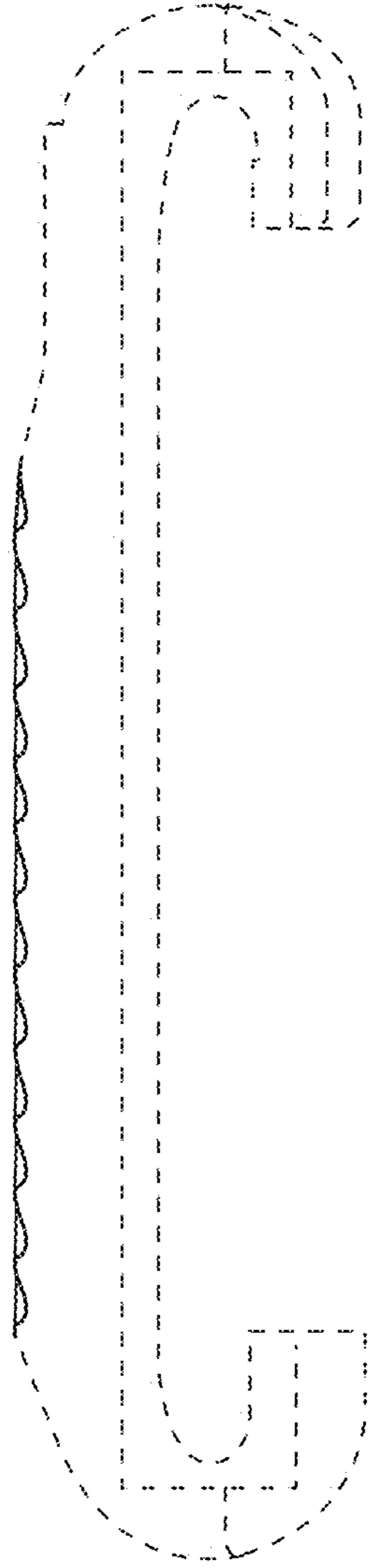


FIG. 3

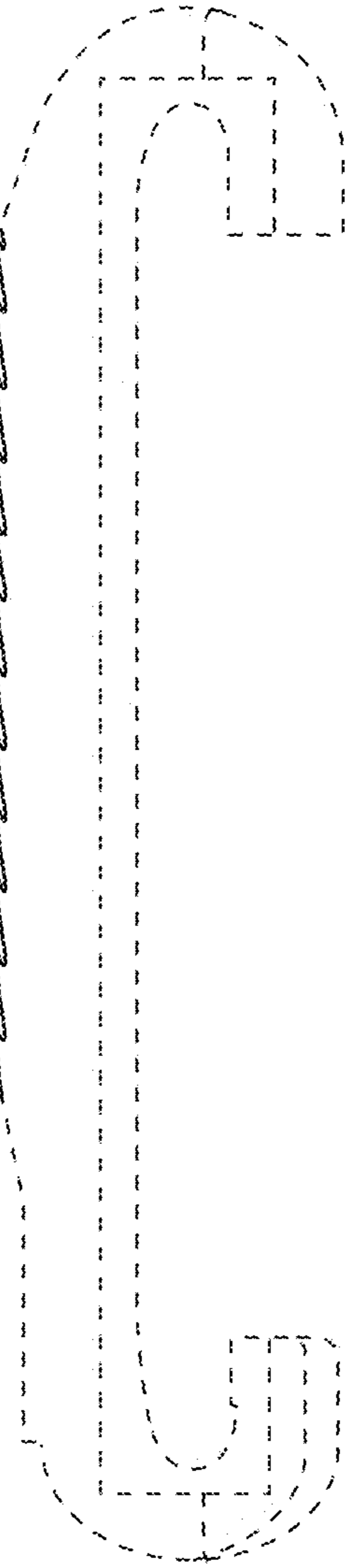


FIG. 4

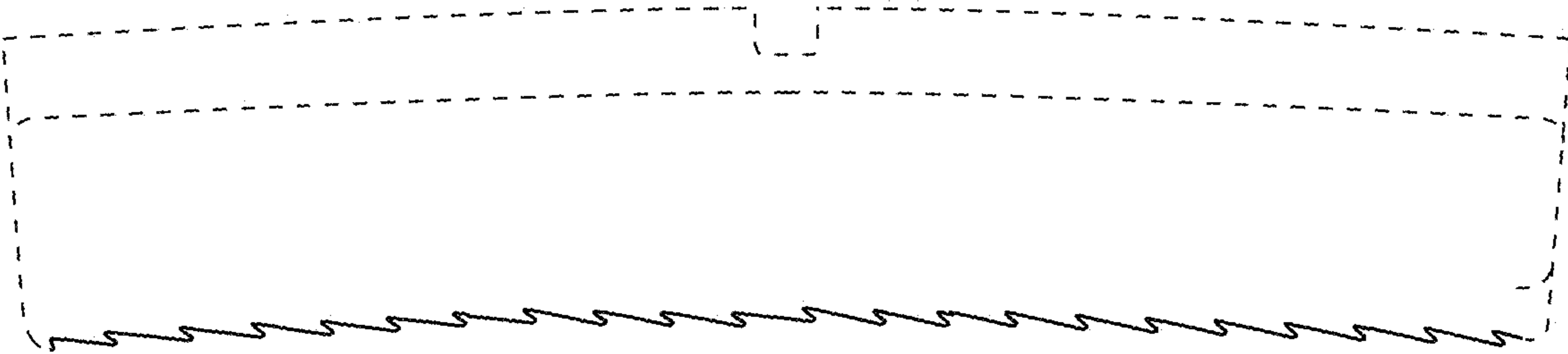


FIG. 6

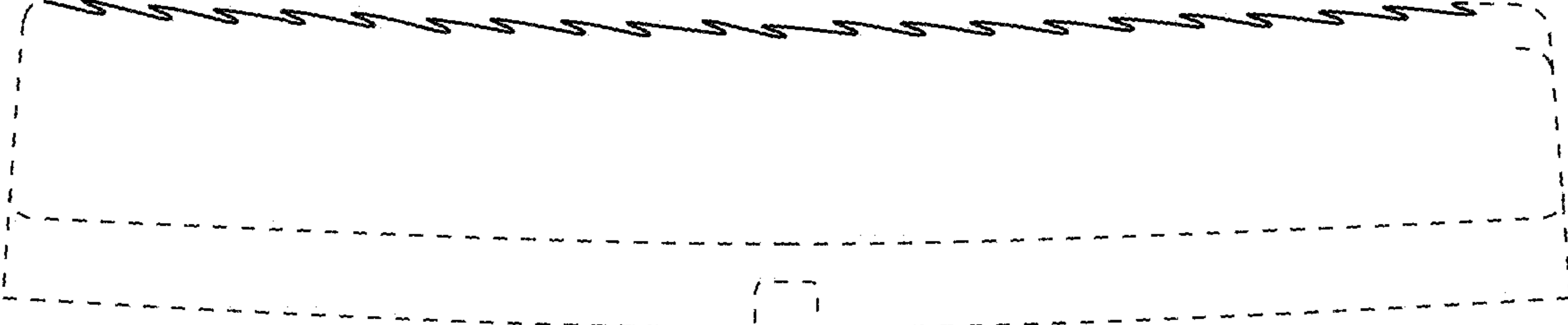


FIG. 5

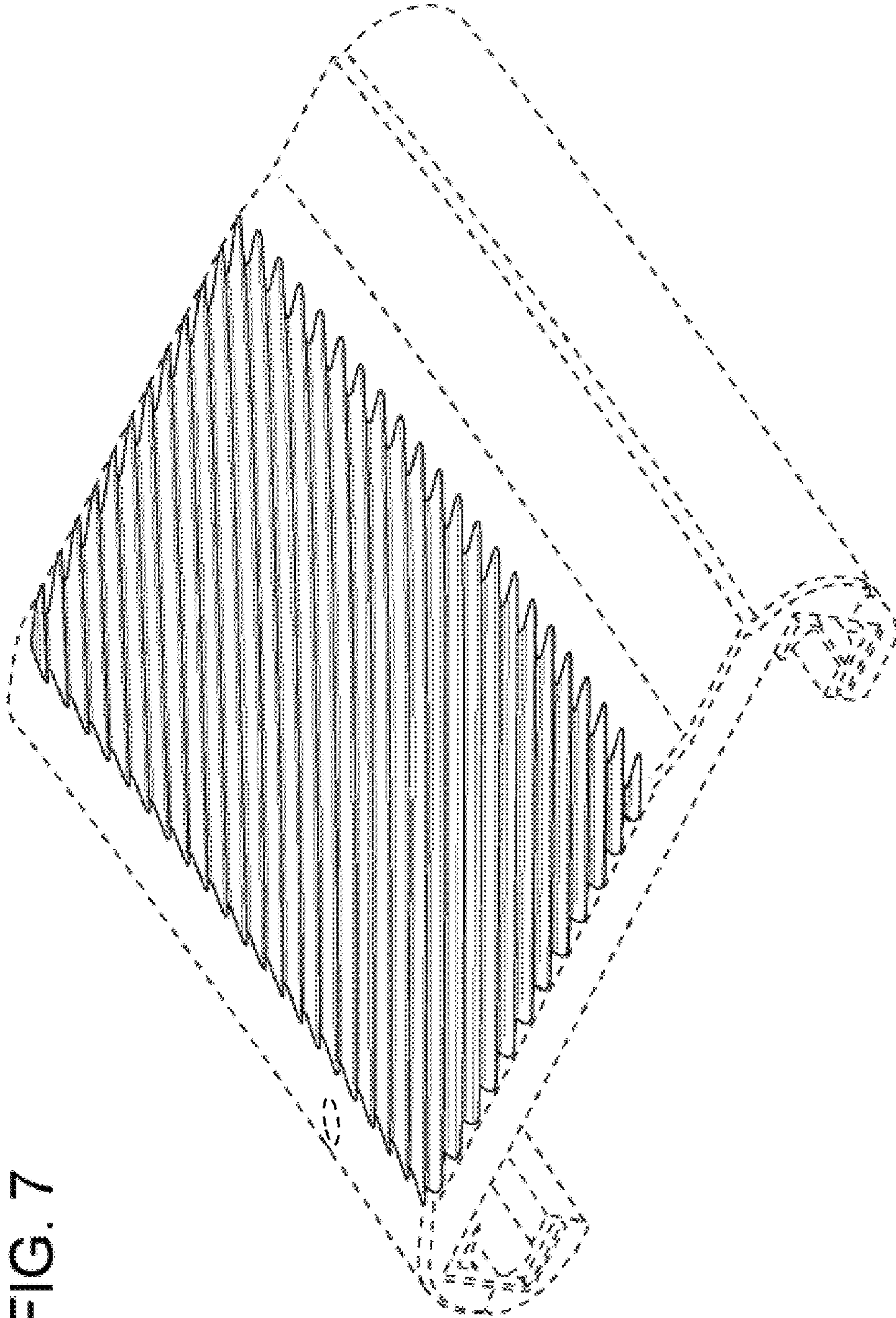


FIG. 7

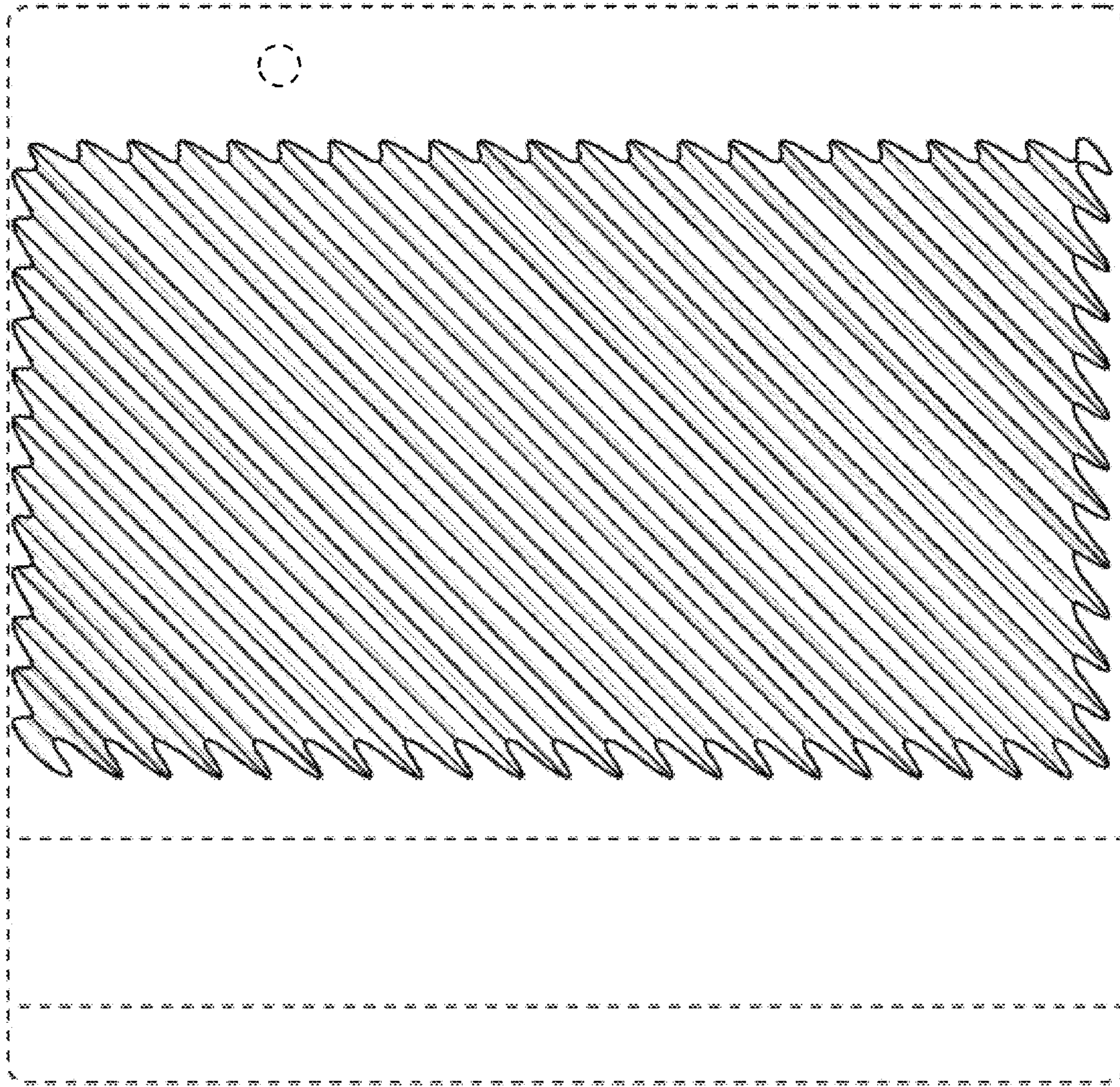


FIG. 8



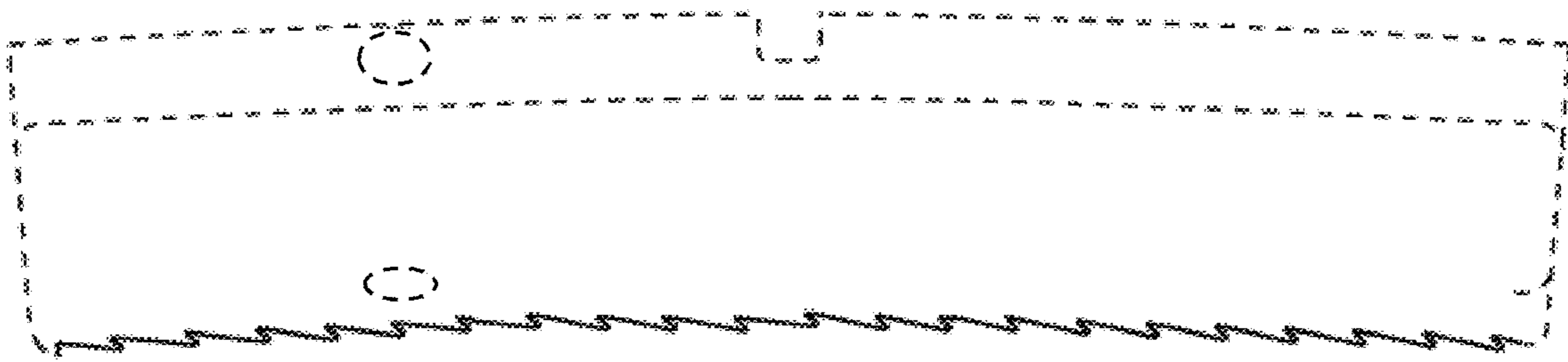


FIG. 9