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(12) **United States Design Patent** (10) **Patent No.:** **US D877,078 S**  
**Miller et al.** (45) **Date of Patent:** **\*\* Mar. 3, 2020**

- (54) **BATTERY SEPARATOR** 3,947,537 A \* 3/1976 Buntin ..... H01M 2/14  
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 (71) Applicant: **Daramic, LLC**, Charlotte, NC (US) 4,000,352 A \* 12/1976 Hollenbeck ..... H01M 2/18  
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 (72) Inventors: **Eric H. Miller**, Philpot, KY (US); **M. Neal Golovin**, Owensboro, KY (US);  
**Ahila Krishnamoorthy**, Jalahalli  
 Bangalore (IN); **James P. Perry**, Utica,  
 KY (US); **J. Kevin Whear**, Utica, KY  
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 (73) Assignee: **Daramic, LLC**, Charlotte, NC (US) *Primary Examiner* — Derrick E Holland  
*Assistant Examiner* — Jennifer O King  
 (\*\*) Term: **15 Years** (74) *Attorney, Agent, or Firm* — Hammer & Associates,  
 P.C.  
 (21) Appl. No.: **29/683,410** (57) **CLAIM**  
 (22) Filed: **Mar. 13, 2019** The ornamental design for a battery separator, as shown and  
 described.

**Related U.S. Application Data**

- (62) Division of application No. 29/580,376, filed on Oct.  
 7, 2016, now Pat. No. Des. 847,746.  
 (51) **LOC (12) Cl.** ..... **13-02**  
 (52) **U.S. Cl.**  
 USPC ..... **D13/119**  
 (58) **Field of Classification Search**  
 USPC ..... D13/103, 104, 110, 107, 119, 120, 156;  
 429/175, 151  
 CPC ..... H01R 13/641; H01M 2/1027;  
 H01M 2/1022; H01M 2/1072; H01M  
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 2/14; H01M 2/1686; Y10T 428/2457  
 See application file for complete search history.

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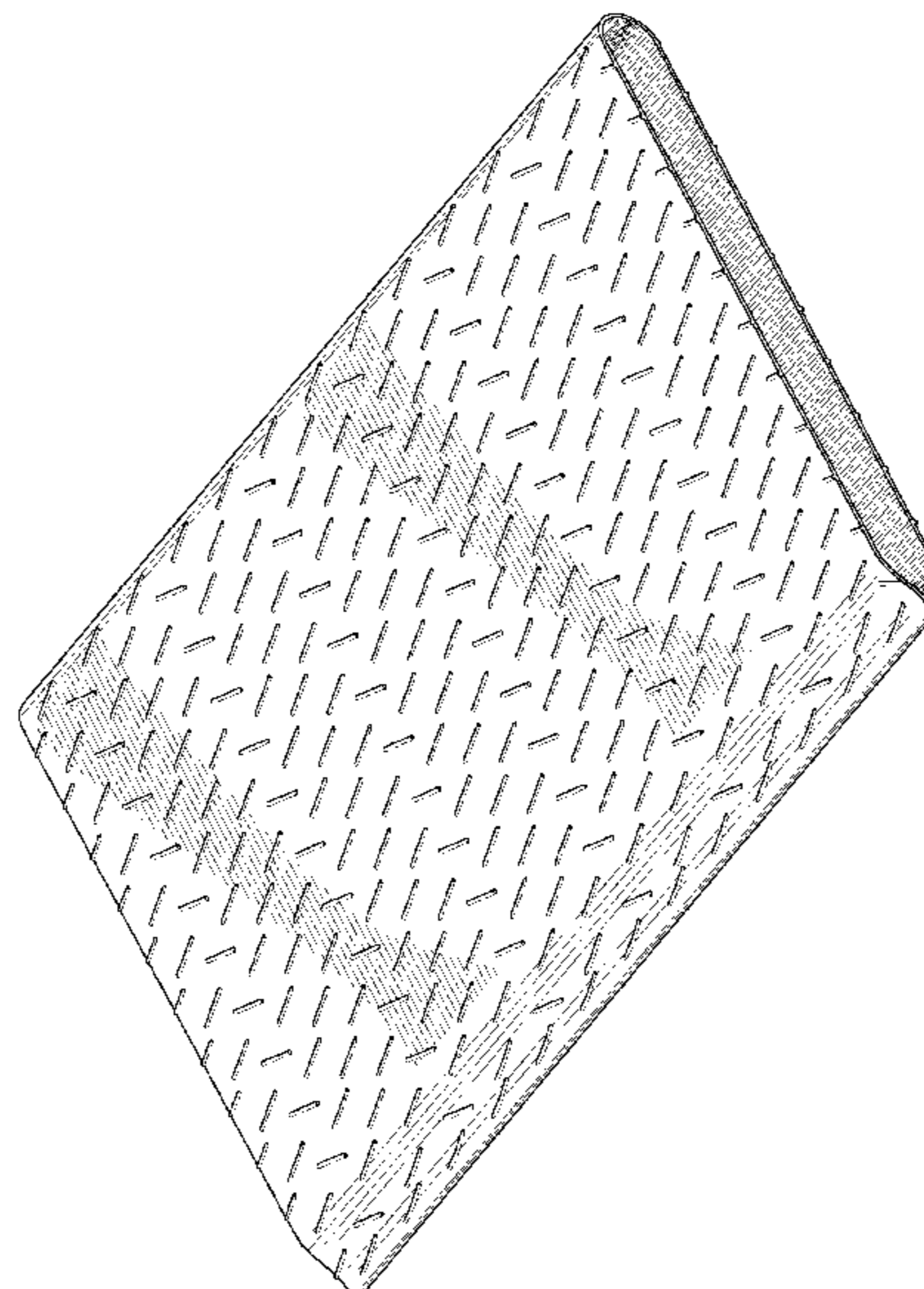
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**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of a battery separator showing our new design;  
 FIG. 2 is a front view thereof;  
 FIG. 3 is a rear view thereof;  
 FIG. 4 is a top view thereof;  
 FIG. 5 is a bottom view thereof;  
 FIG. 6 is a right side view thereof;  
 FIG. 7 is a left side view thereof;  
 FIG. 8 is an enlarged view of the identified area in FIG. 4;  
 FIG. 9 is a perspective view of a second embodiment of a battery separator showing our new design;  
 FIG. 10 is a front view thereof;  
 FIG. 11 is a rear view thereof;  
 FIG. 12 is a top view thereof;  
 FIG. 13 is a bottom view thereof;  
 FIG. 14 is a right side view thereof; and,  
 FIG. 15 is a left side view thereof.  
 The dot-dash broken lines define the bounds of the claimed design and form no part thereof.

**1 Claim, 11 Drawing Sheets**



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FIG. 1

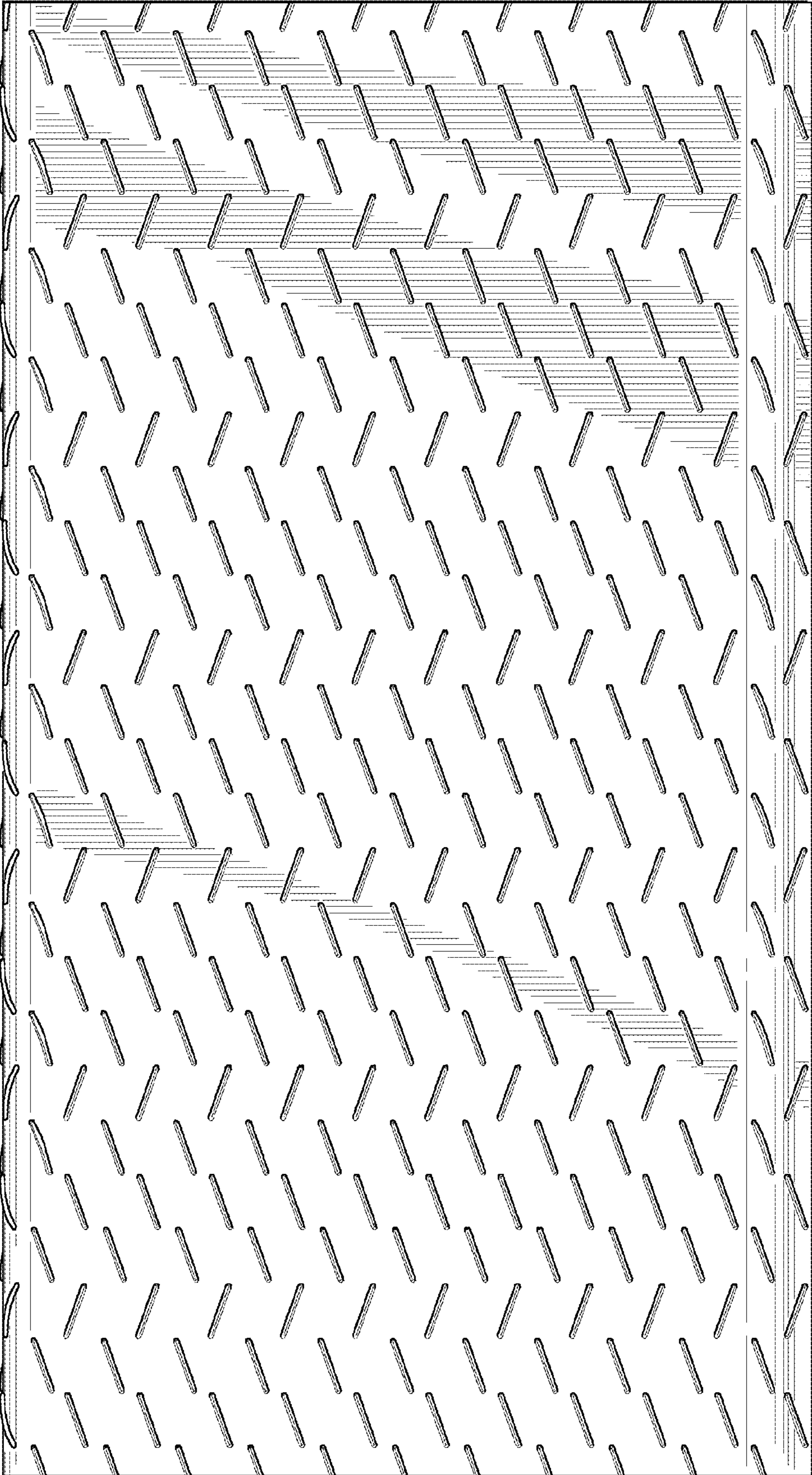


FIG. 2

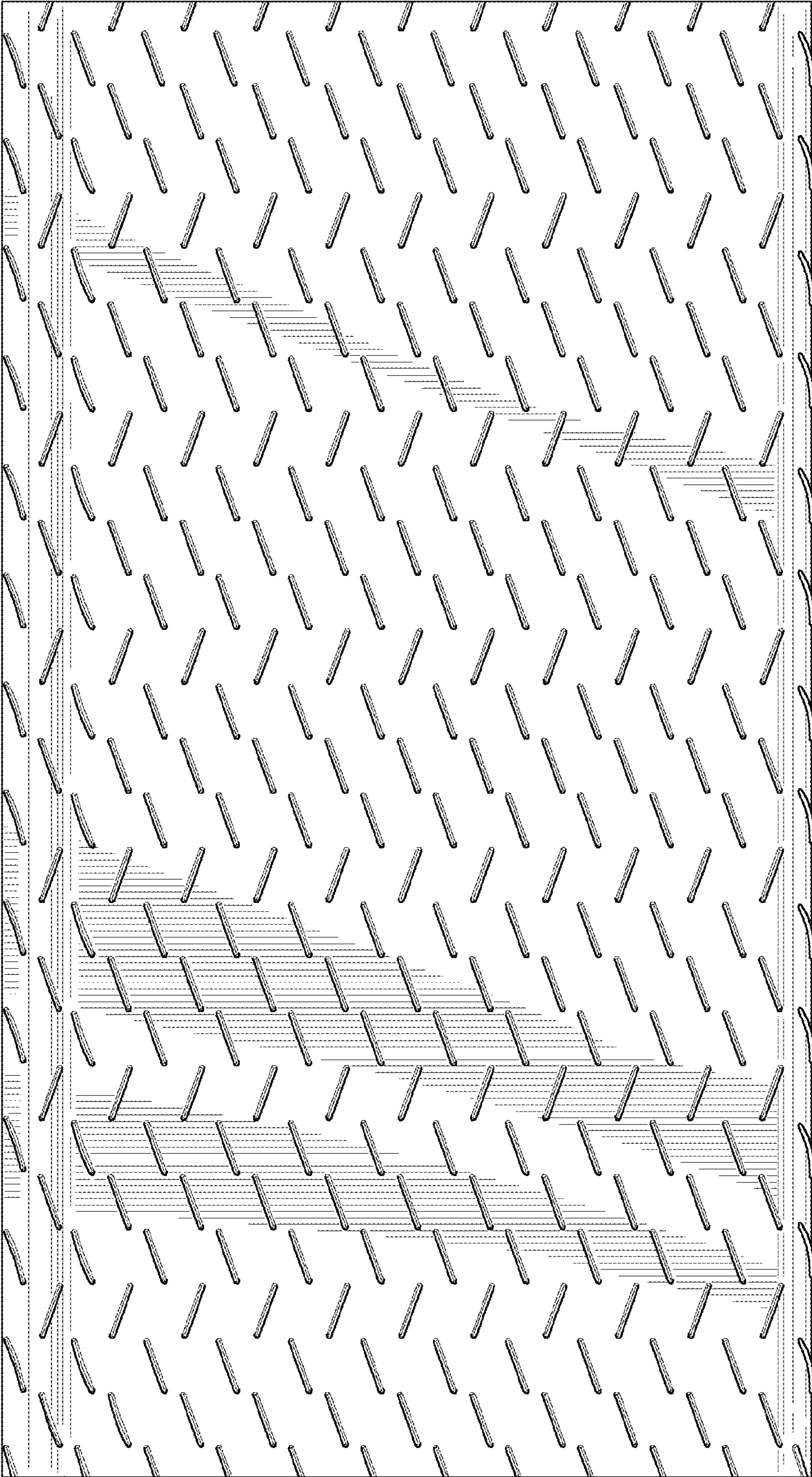


FIG. 3

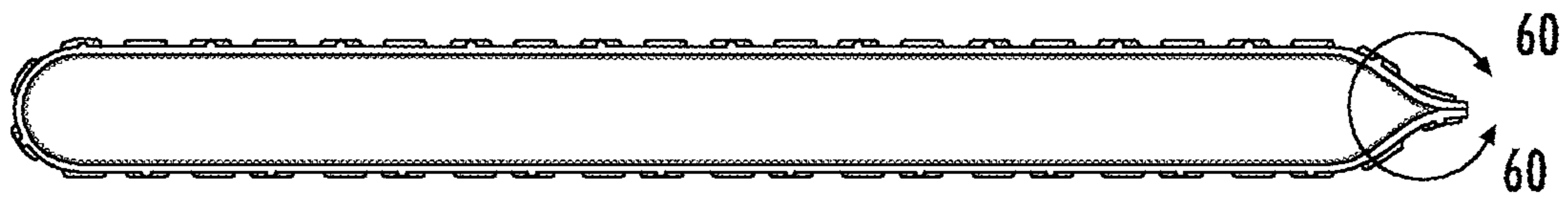


FIG. 4

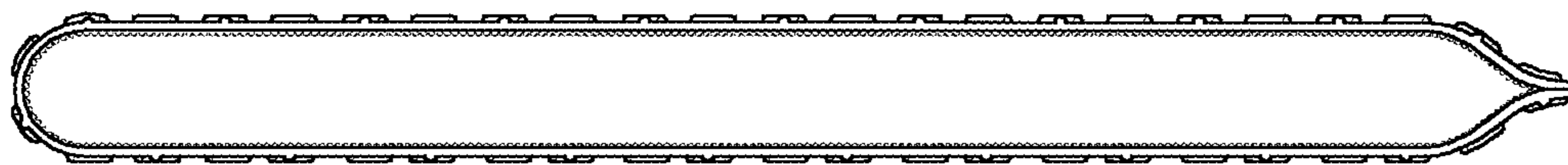


FIG. 5

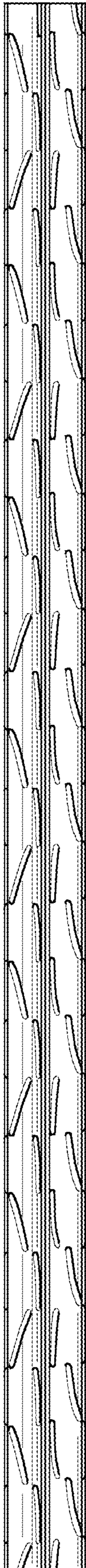


FIG. 6

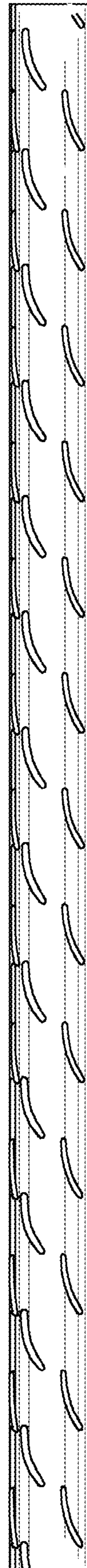


FIG. 7

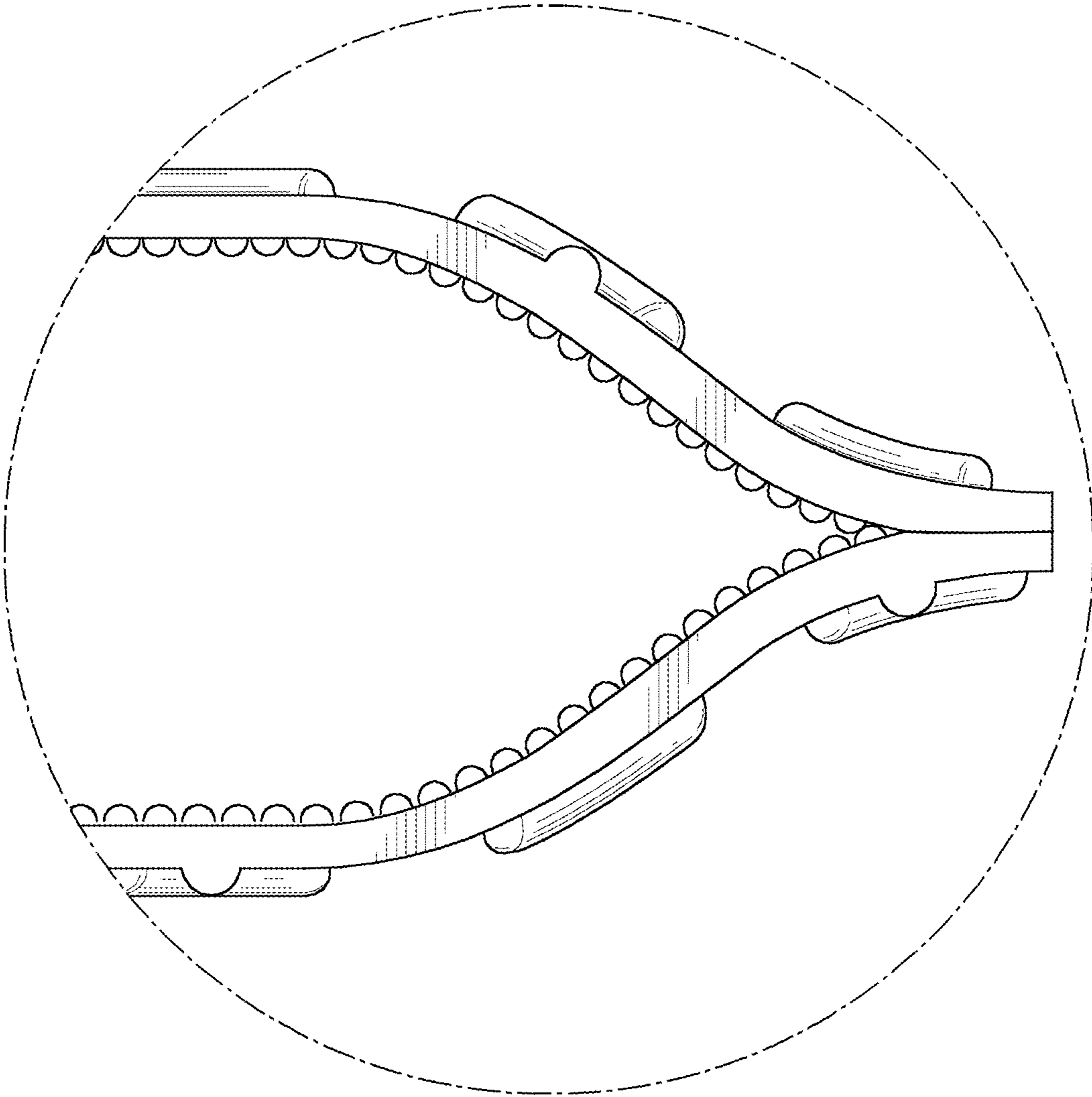


FIG. 8



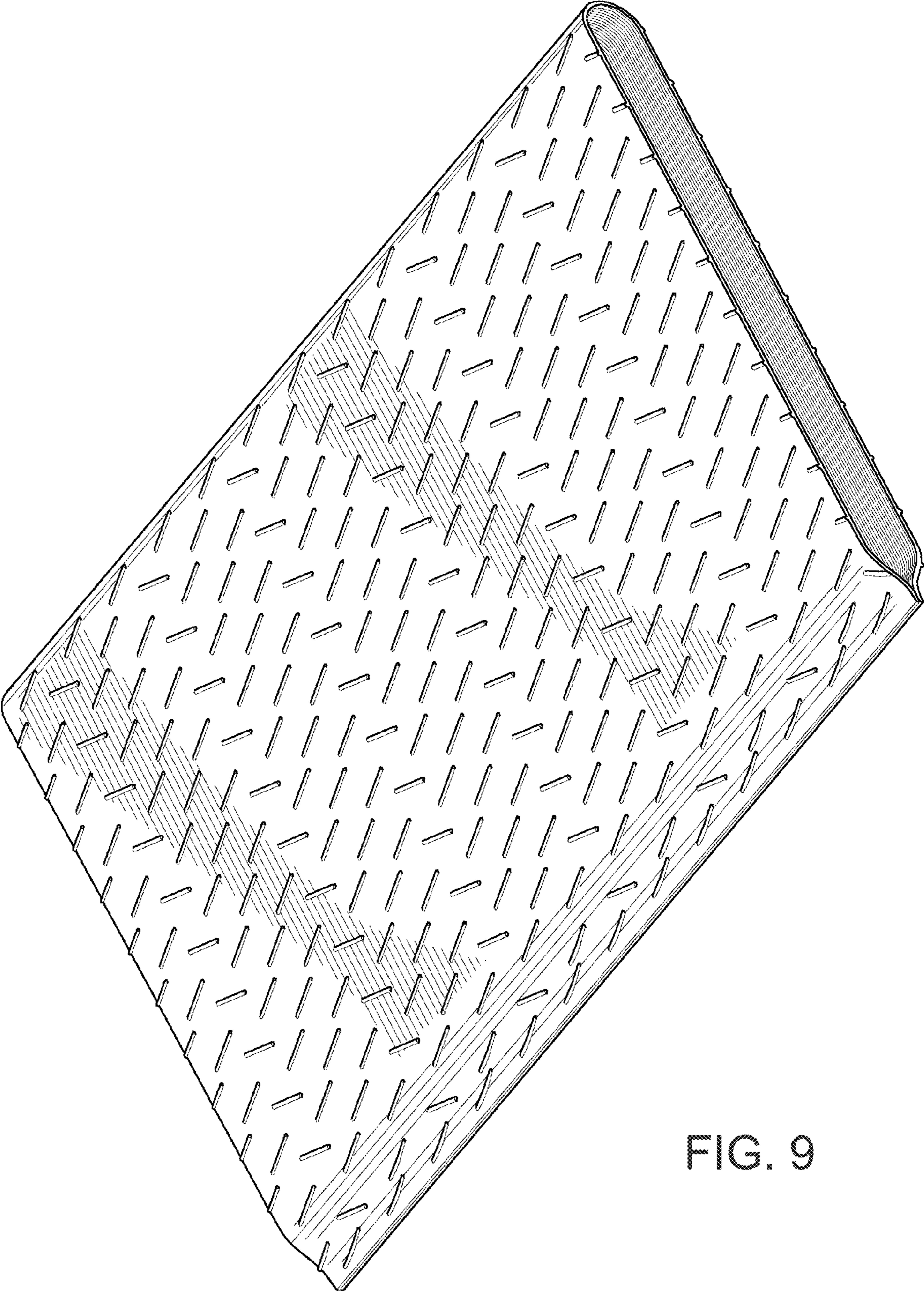


FIG. 9

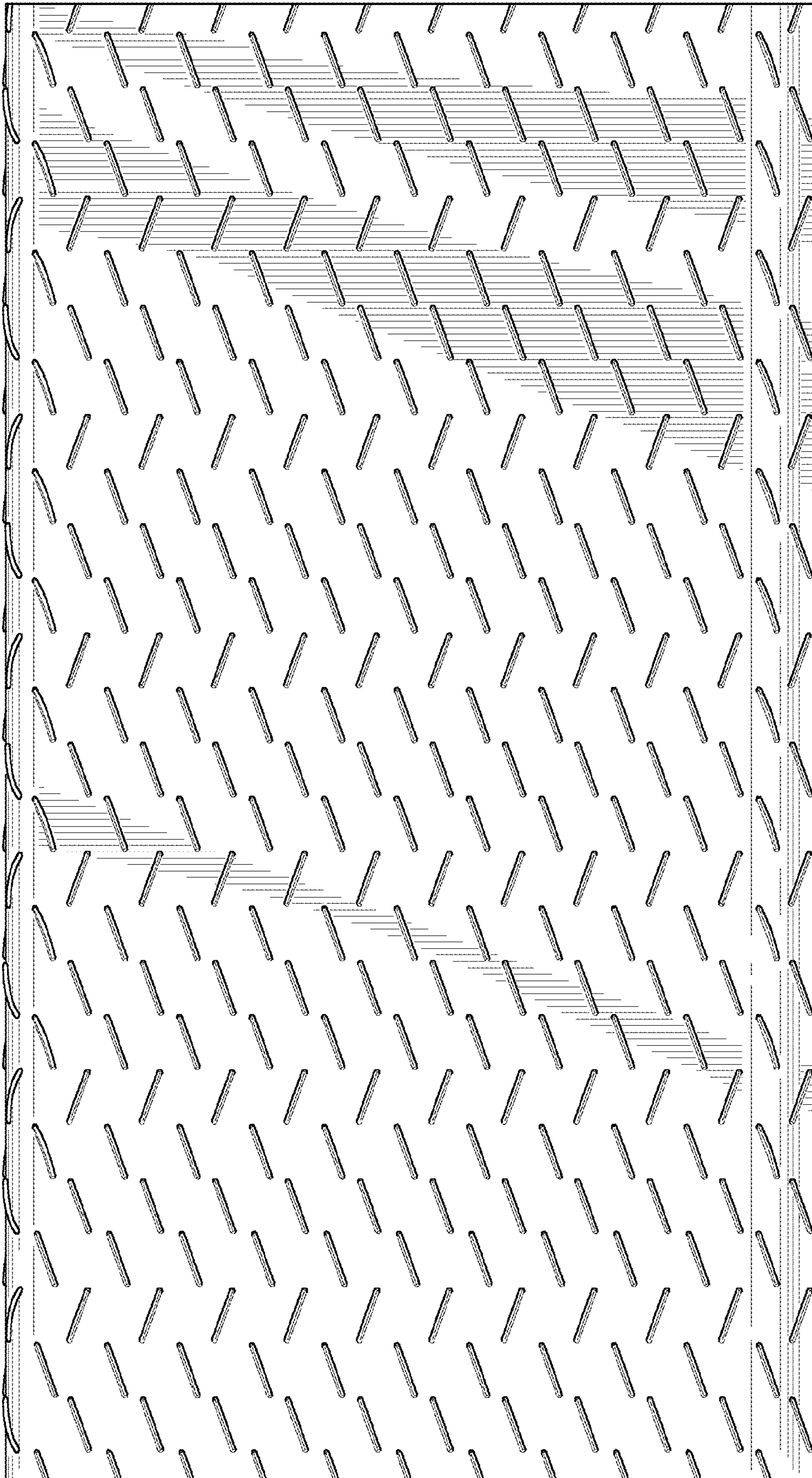


FIG. 10

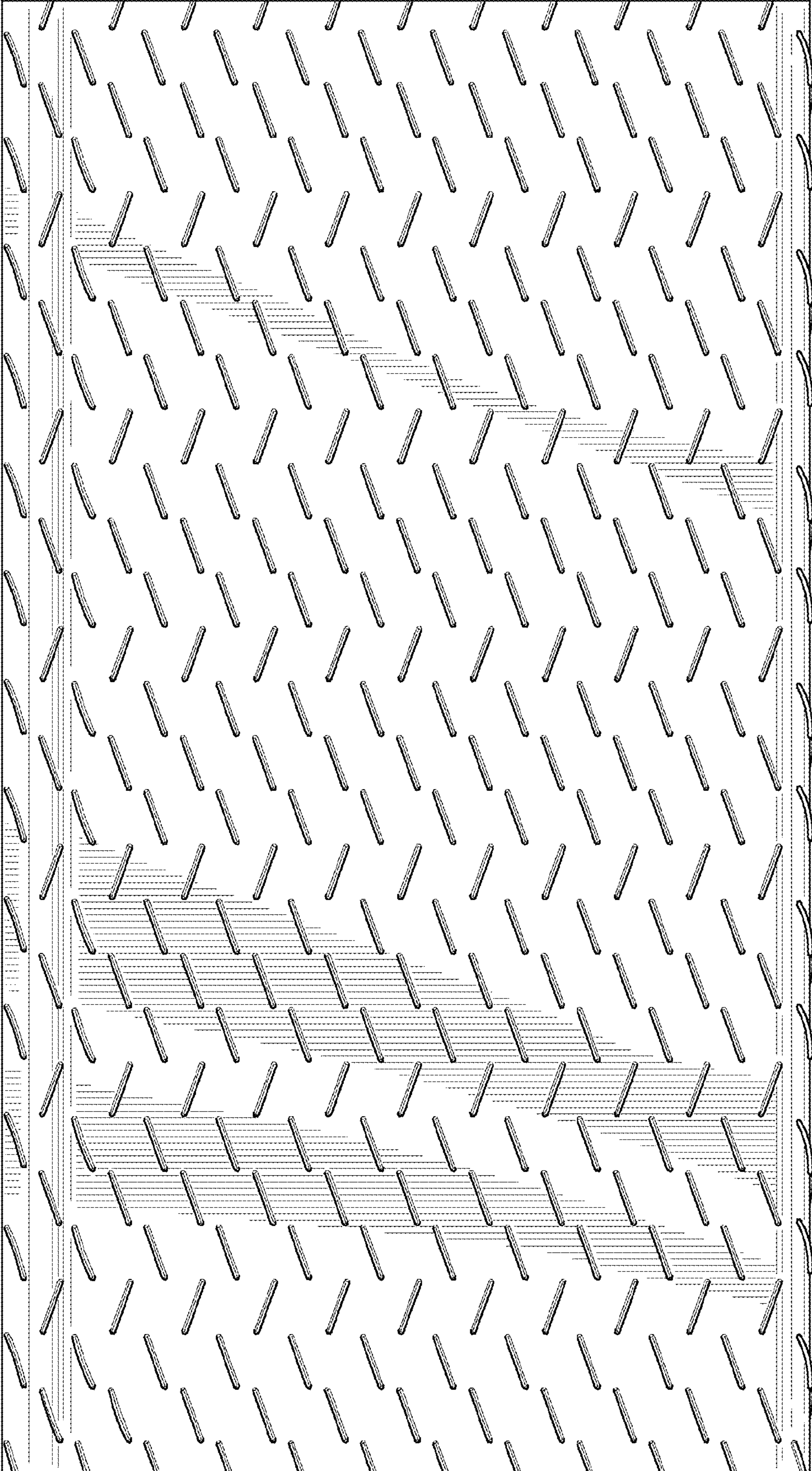


FIG. 11

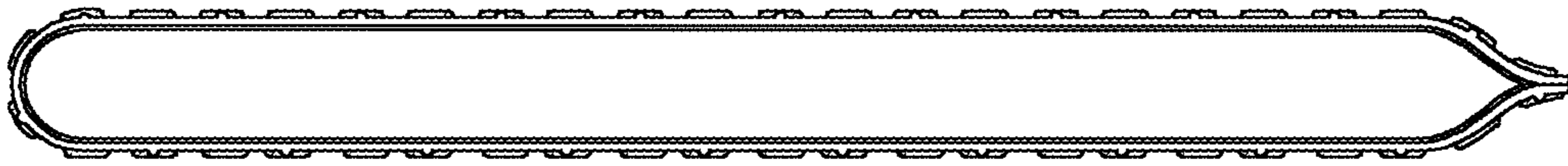


FIG. 12

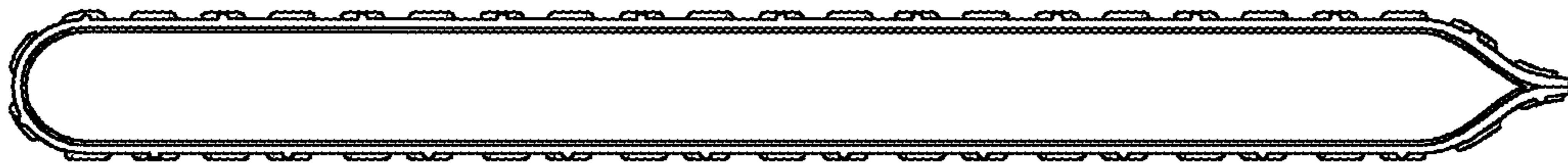


FIG. 13

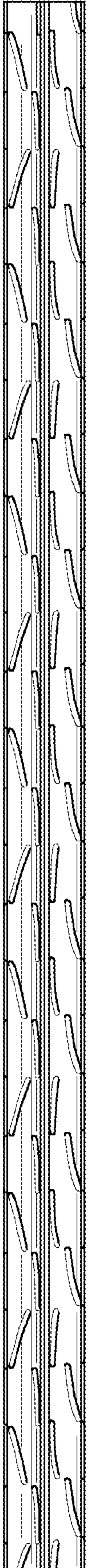


FIG. 14

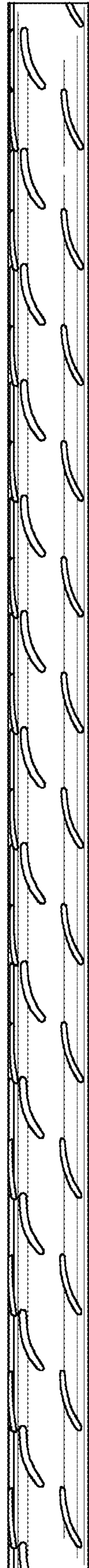


FIG. 15