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(12) **United States Design Patent** (10) **Patent No.:** **US D856,461 S**  
**Wu** (45) **Date of Patent:** **\*\* Aug. 13, 2019**

(54) **FIREWORKS DETONATOR**

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(73) Assignee: **Titan International Technologies, Ltd.**, Hong Kong (CN)

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

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(51) **LOC (12) Cl.** ..... **22-03**

(52) **U.S. Cl.**  
USPC ..... **D22/112**

(58) **Field of Classification Search**  
USPC ..... D22/112, 199; D14/203.1, 300  
CPC .. F42B 3/121; F42B 3/10; F42B 3/122; F42B 3/125; F42D 1/055; F42D 1/05; F42D 1/045; F42D 1/042  
See application file for complete search history.

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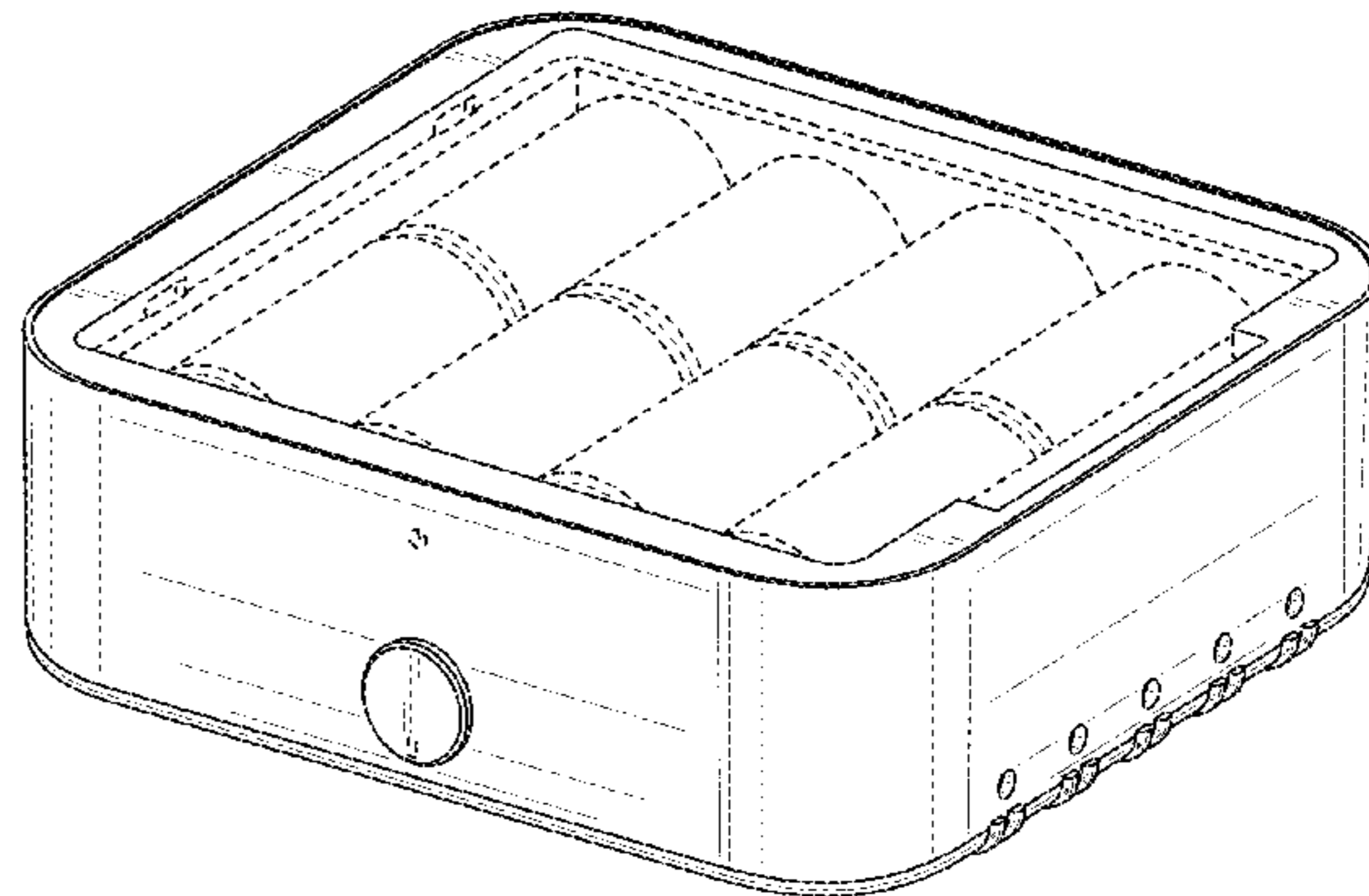
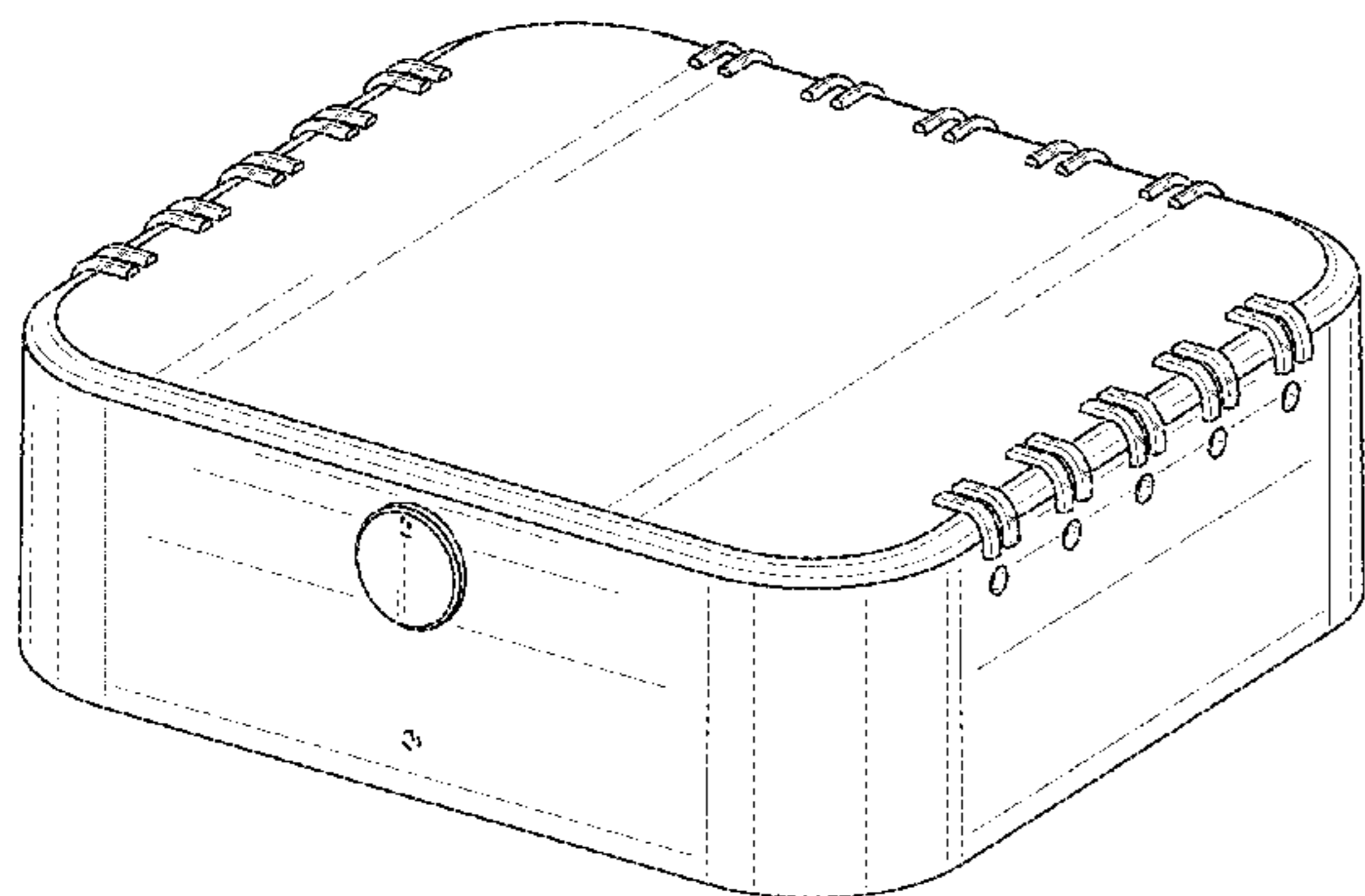
(57) **CLAIM**

The ornamental design for a fireworks detonator, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a fireworks detonator. FIG. 2 is a front elevation view of the fireworks detonator of FIG. 1. FIG. 3 is a rear elevation view of the fireworks detonator of FIG. 1. FIG. 4 is a left elevation view of the fireworks detonator of FIG. 1. FIG. 5 is a right elevation view of the fireworks detonator of FIG. 1. FIG. 6 is a top plan view of the fireworks detonator of FIG. 1. FIG. 7 is a bottom plan view of the fireworks detonator of FIG. 1; and, FIG. 8 is a bottom perspective view of the fireworks detonator FIG. 1. The views of the fireworks detonator not shown form no part of the design of the design of this claim. The dashed lines in the figures show optional features and do not form part of the claimed design.

**1 Claim, 6 Drawing Sheets**



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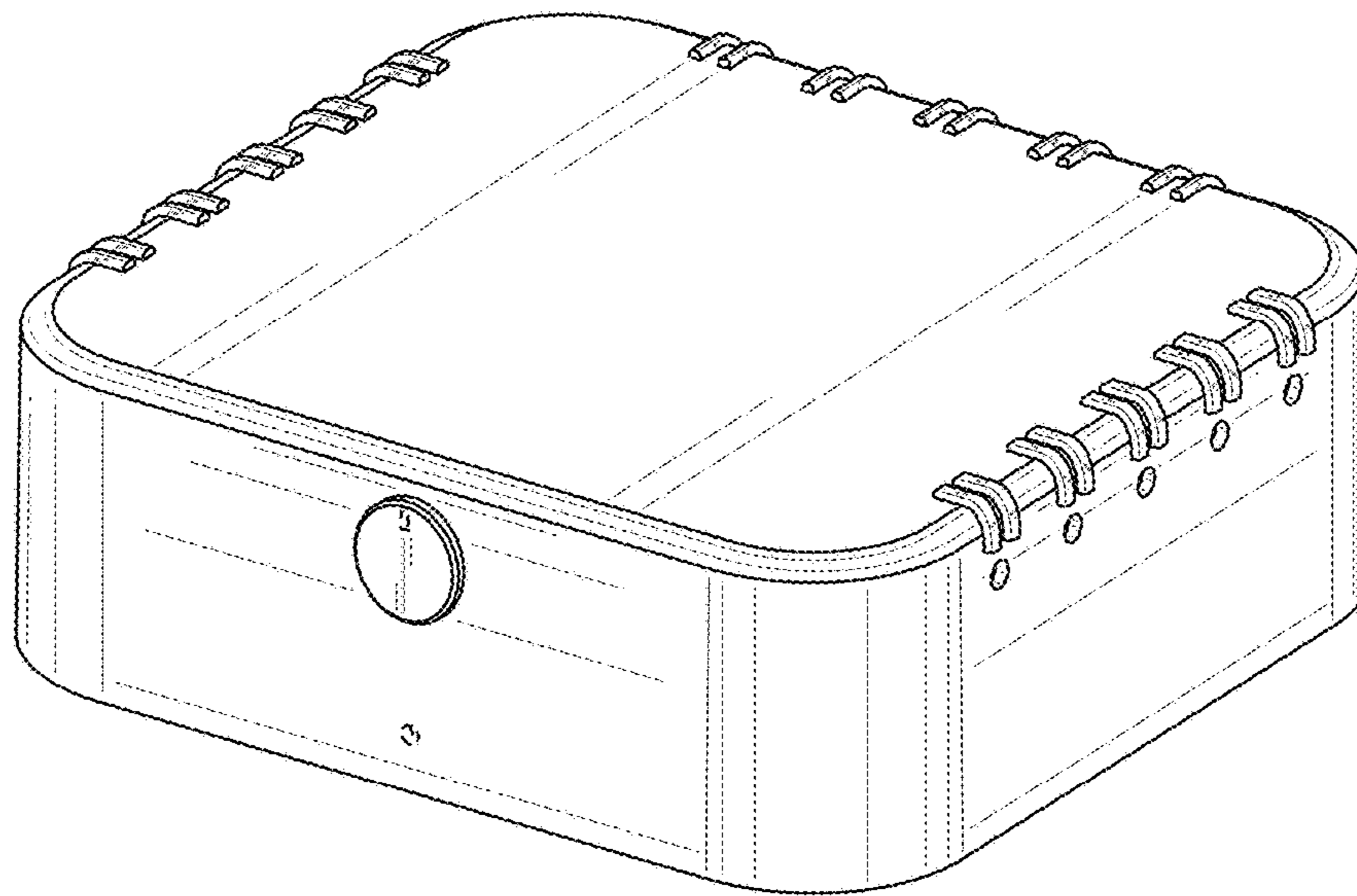


FIG. 1

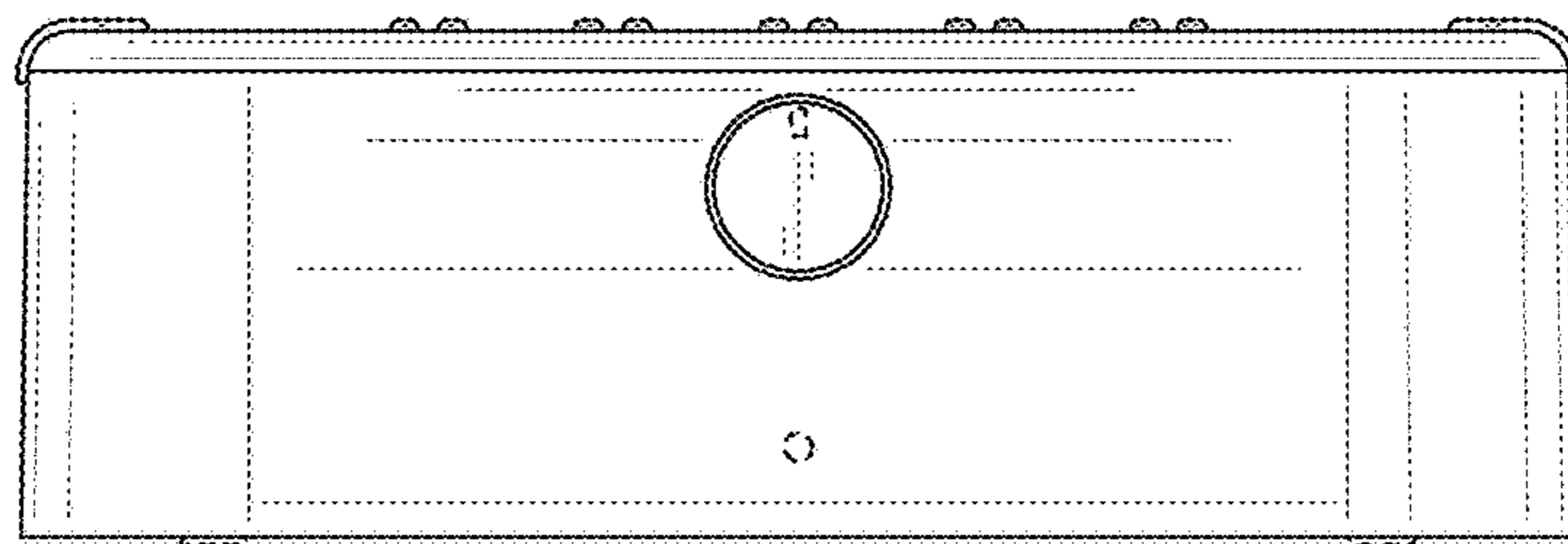


FIG. 2

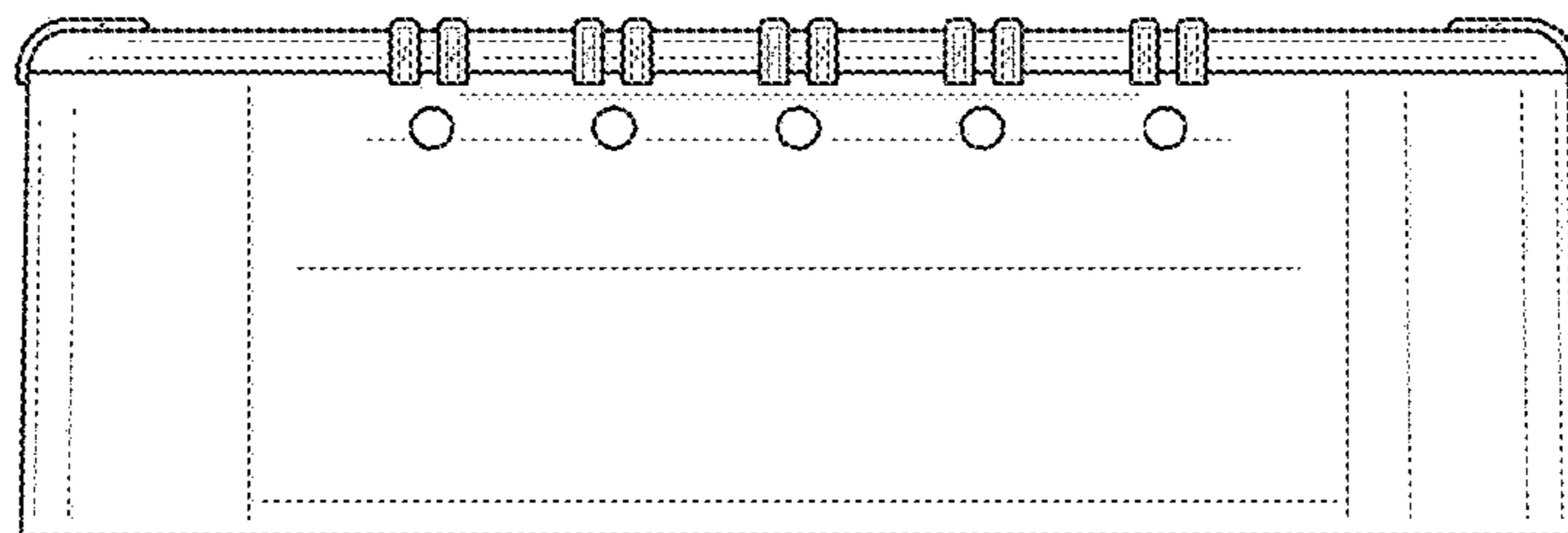


FIG. 3

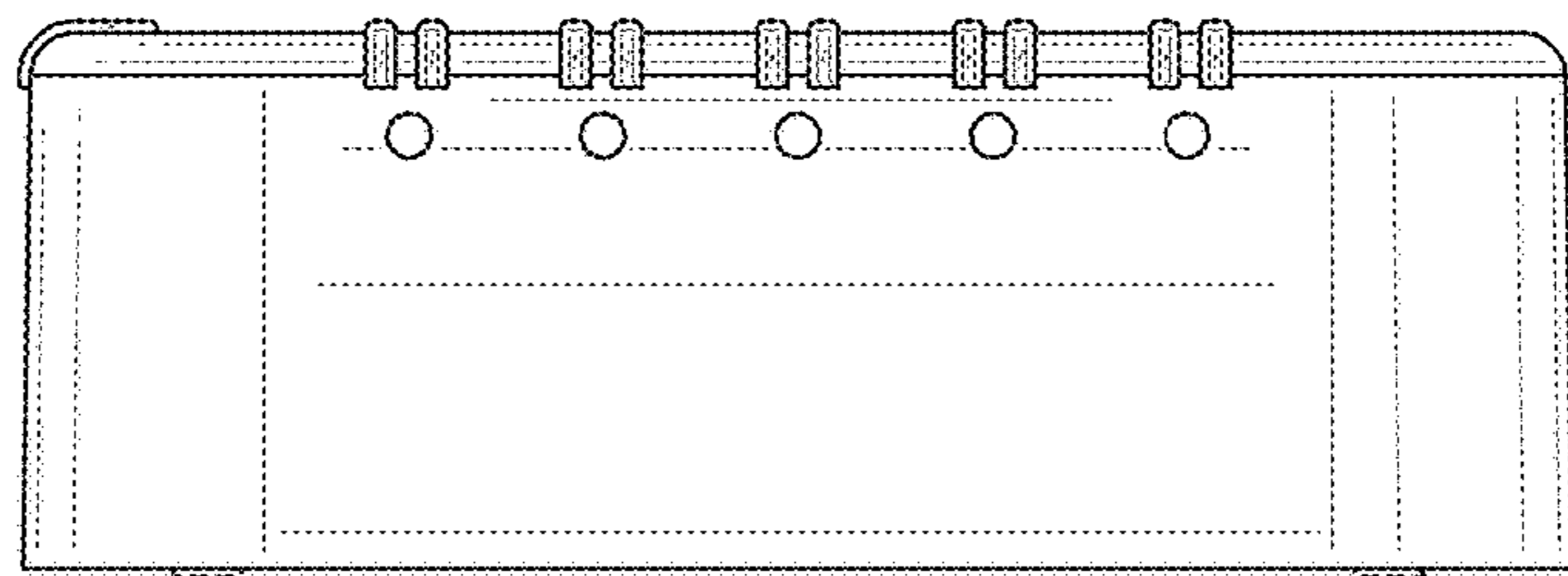


FIG. 4

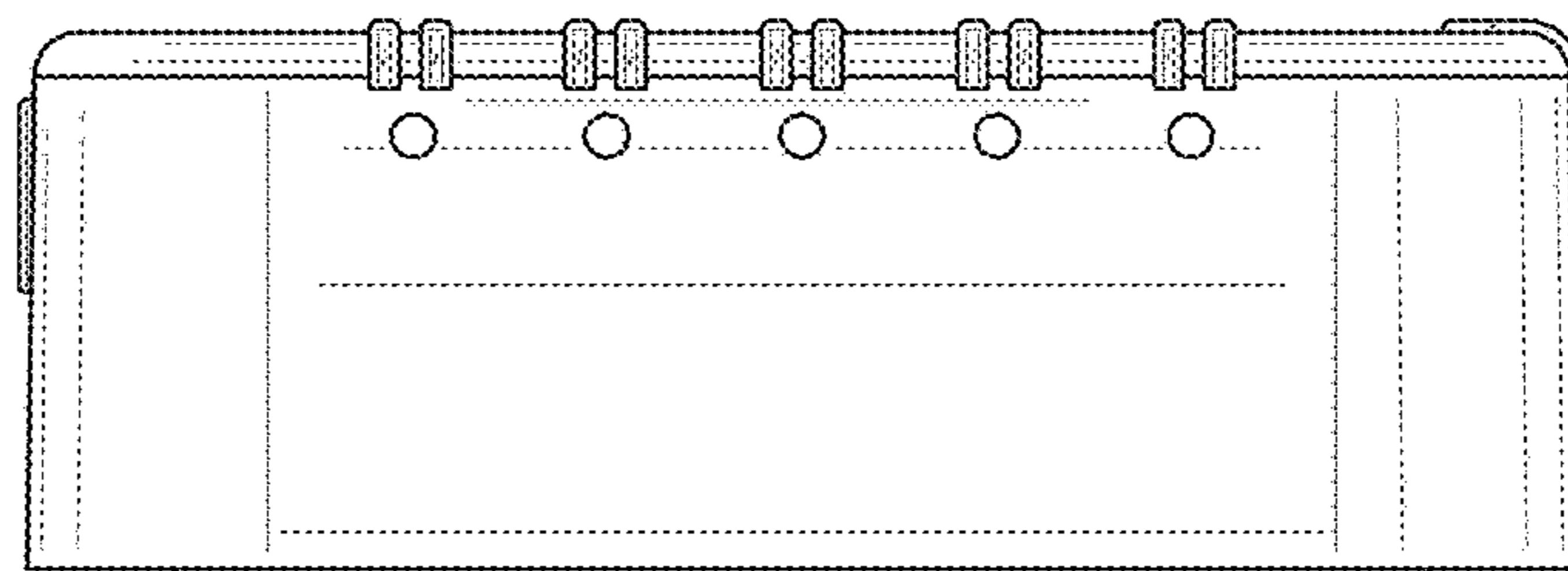


FIG. 5

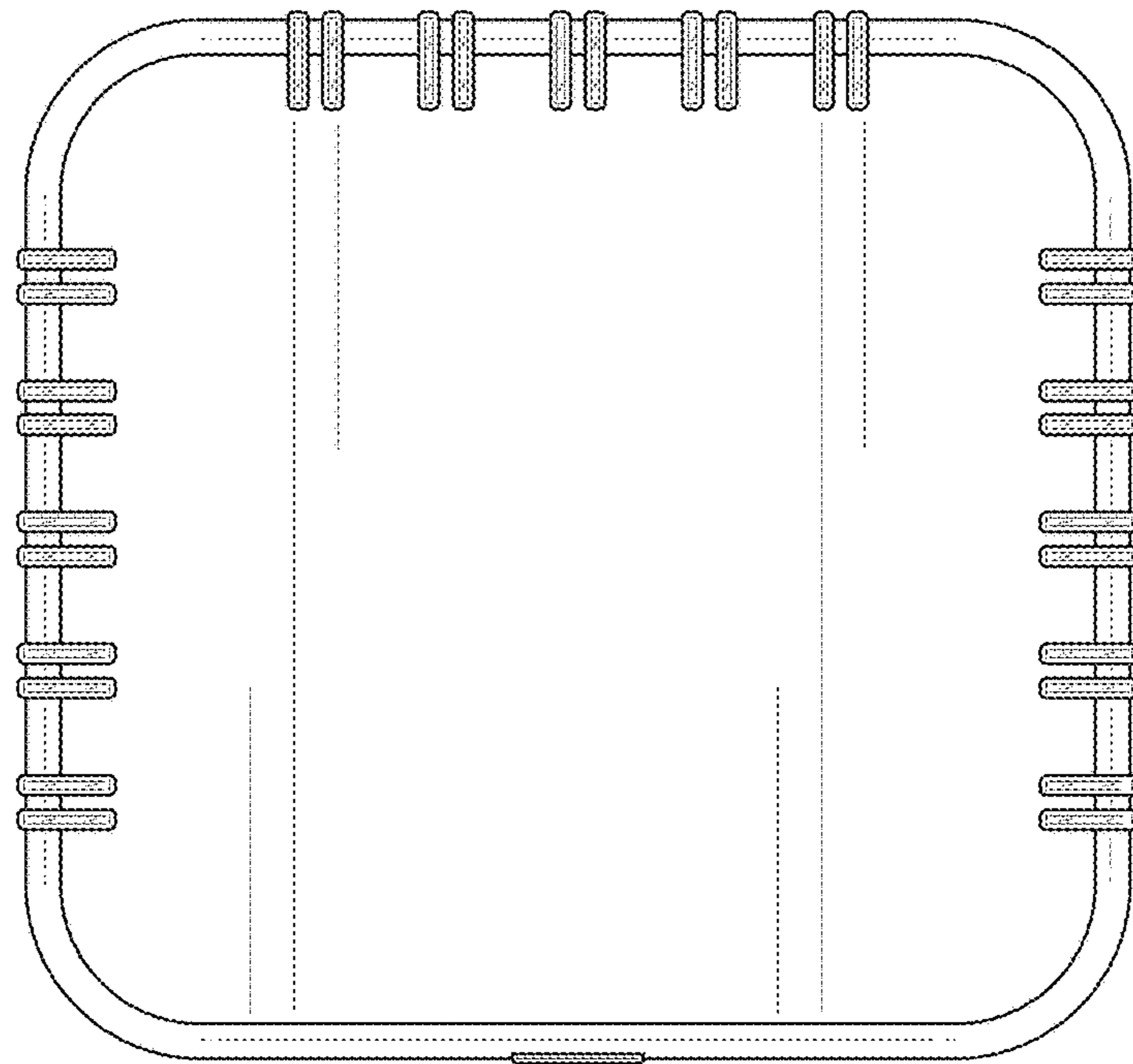


FIG. 6

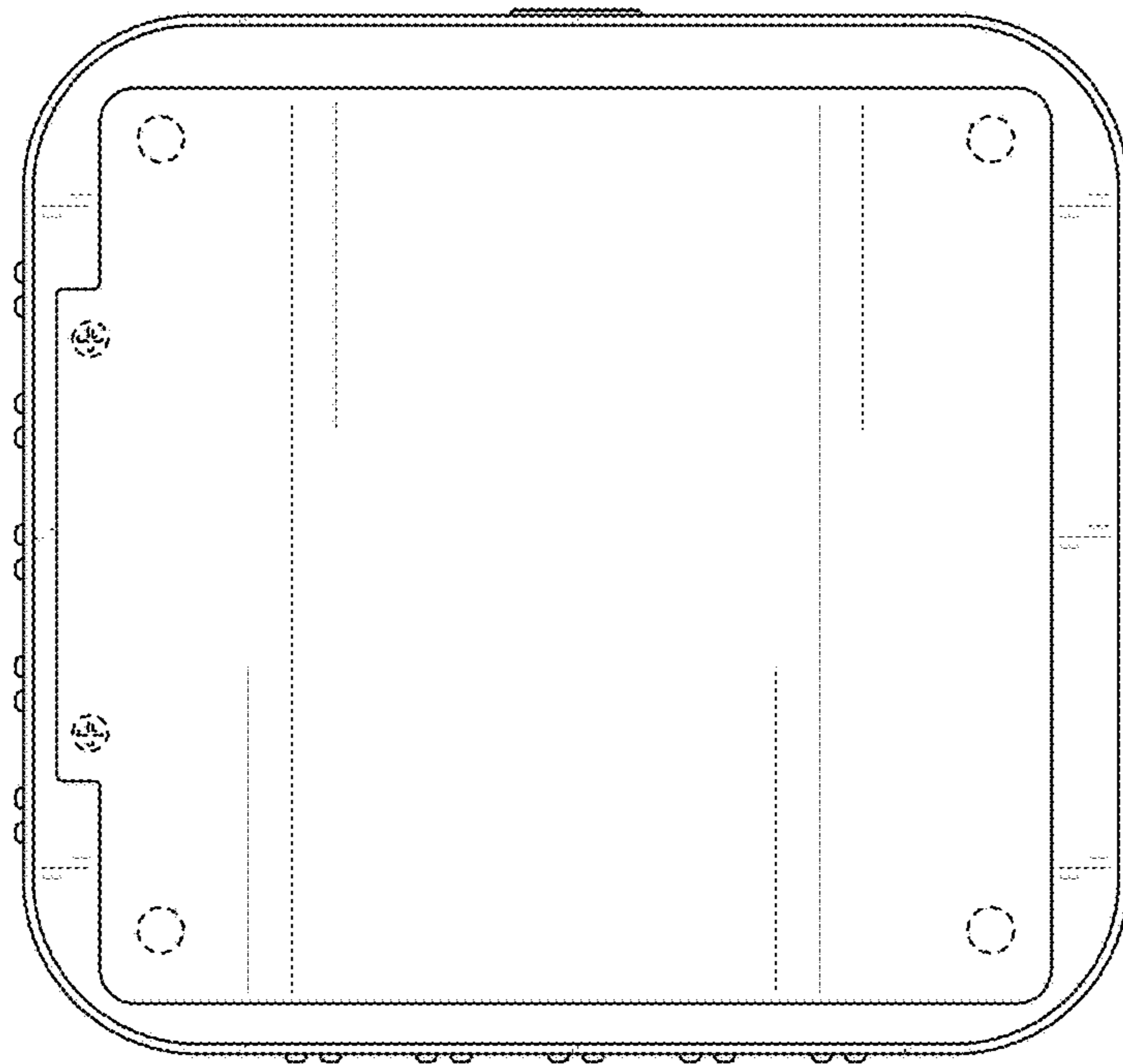


FIG. 7

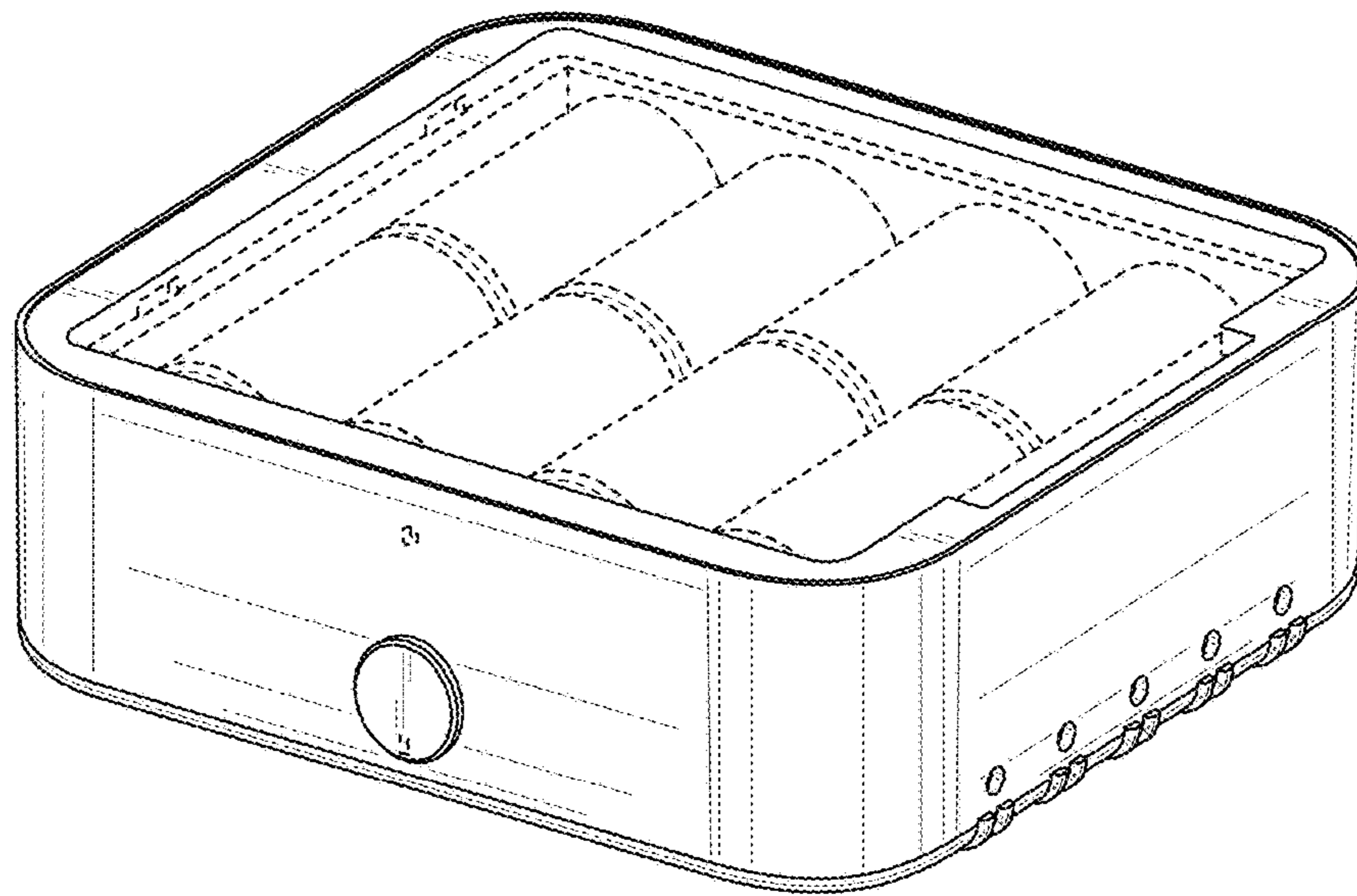


FIG. 8