



US00D839841S

(12) **United States Design Patent**  
**Choi**(10) **Patent No.:** US D839,841 S  
(45) **Date of Patent:** \*\* Feb. 5, 2019(54) **DIGITAL MOTOR PROTECTION RELAY**(71) Applicant: **LSIS CO., LTD.**, Anyang-si,  
Gyeonggi-do (KR)(72) Inventor: **Minho Choi**, Anyang-si (KR)(73) Assignee: **LSIS CO., LTD.**, Anyang-si,  
Gyeonggi-Do (KR)(\*\*) Term: **15 Years**(21) Appl. No.: **29/618,187**(22) Filed: **Sep. 19, 2017**(30) **Foreign Application Priority Data**

Mar. 20, 2017 (KR) ..... 30-2017-0012832

(51) **LOC (11) Cl.** ..... **13-03**(52) **U.S. Cl.**USPC ..... **D13/159**(58) **Field of Classification Search**USPC .... D13/110, 112, 122, 123, 156, 158–162.1,  
D13/173, 177, 178, 184, 199; D10/50,  
D10/99, 100CPC ..... H01H 9/00; H01H 71/00; H01H 71/02;  
H01H 71/12; H01H 1/06; H01H 1/20;  
H01H 3/32; H01H 9/02; H01H 9/28;  
H01H 21/04; H01H 21/22; H01H 33/02;  
H01H 33/08; H01H 33/10; H01H 33/18;  
H01H 36/00; H01H 47/00; H01H 50/14;  
H01H 50/16; H01H 50/44; H05K 7/00;  
H05K 7/14; H05K 7/18; H05K 7/20;  
H01R 4/26; H01R 4/48; H01R 25/00;  
H02H 6/00; H02H 7/00

See application file for complete search history.

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(Continued)

*Primary Examiner — Angela J Lee**Assistant Examiner — Shawn T Gingrich*(74) *Attorney, Agent, or Firm — K&L Gates LLP*

(57)

**CLAIM**

The ornamental design for a digital motor protection relay, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a digital motor protection relay showing the new design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a left-side elevation view thereof;

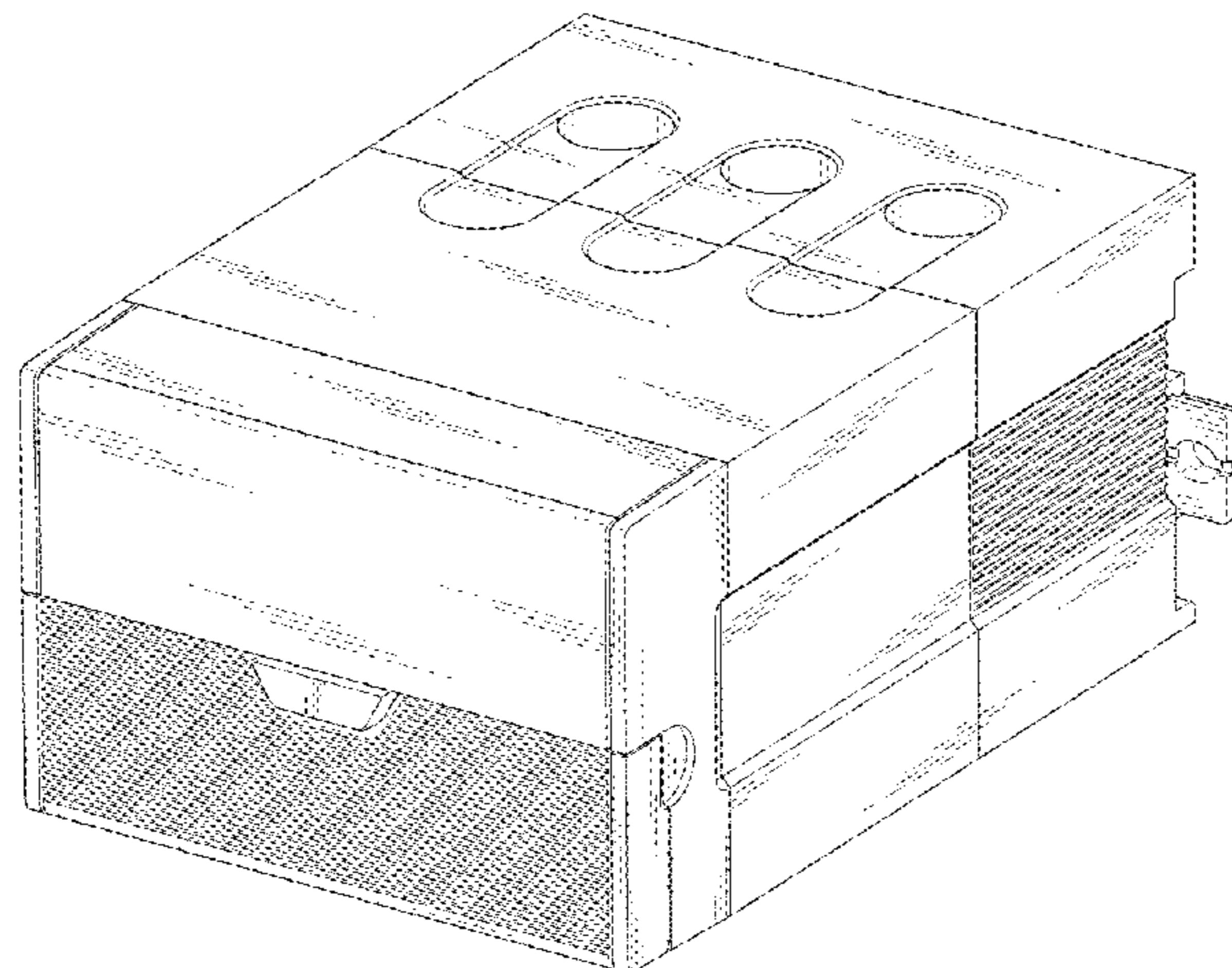
FIG. 5 is a right-side elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof; and,

FIG. 8 is a perspective view thereof in a use condition.

The broken lines shown in the drawings illustrate portions of the digital motor protection relay that form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**

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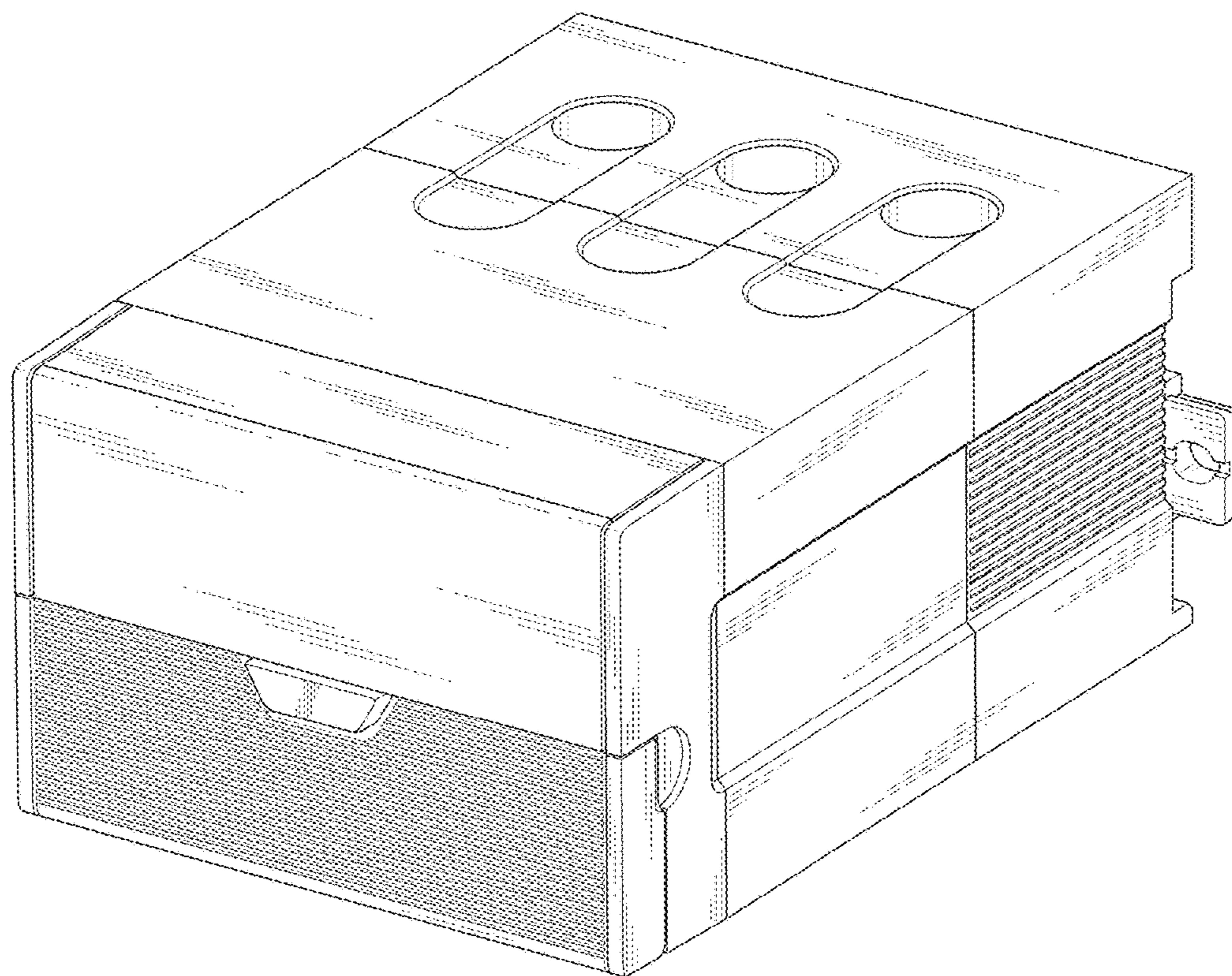
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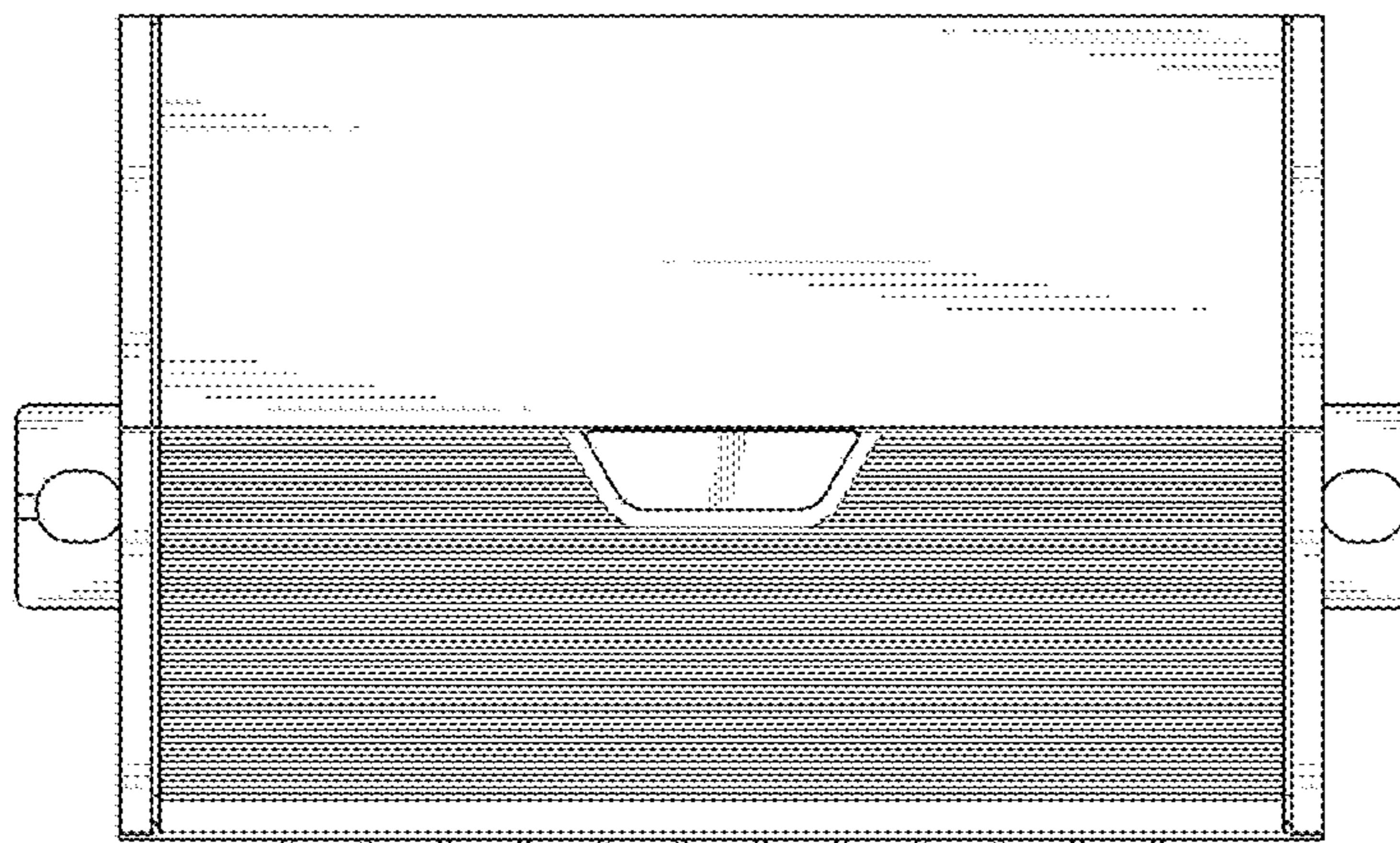
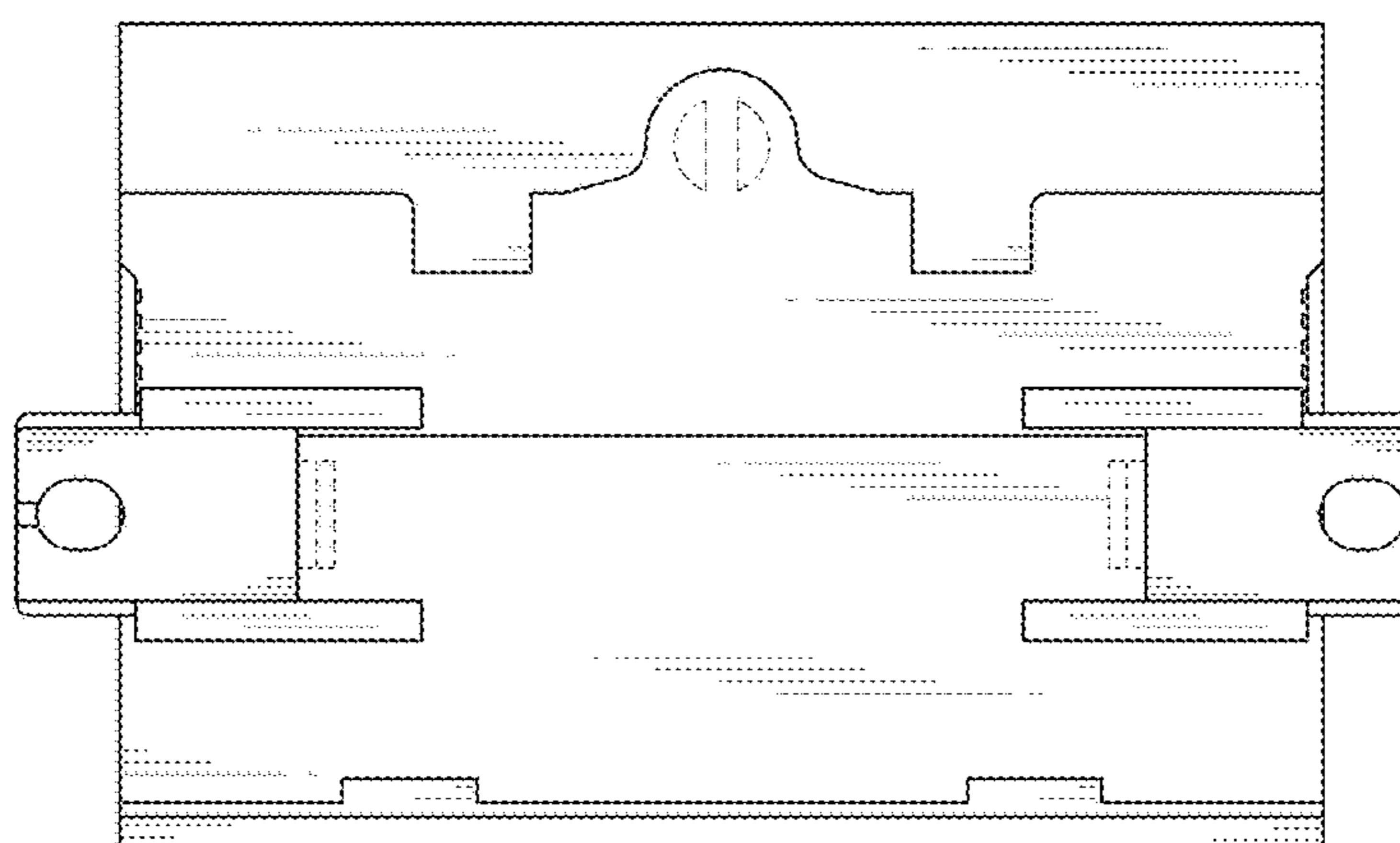
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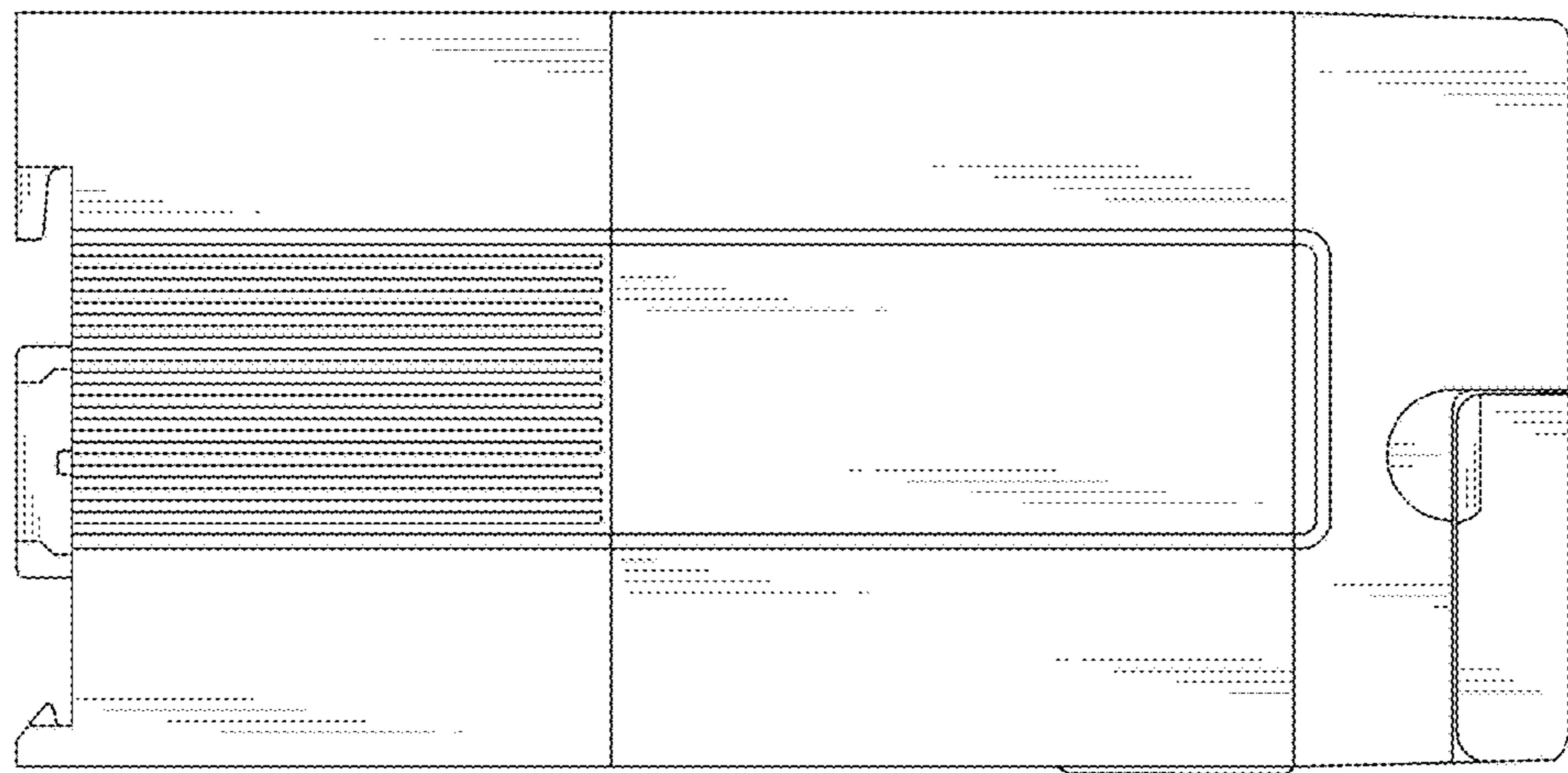
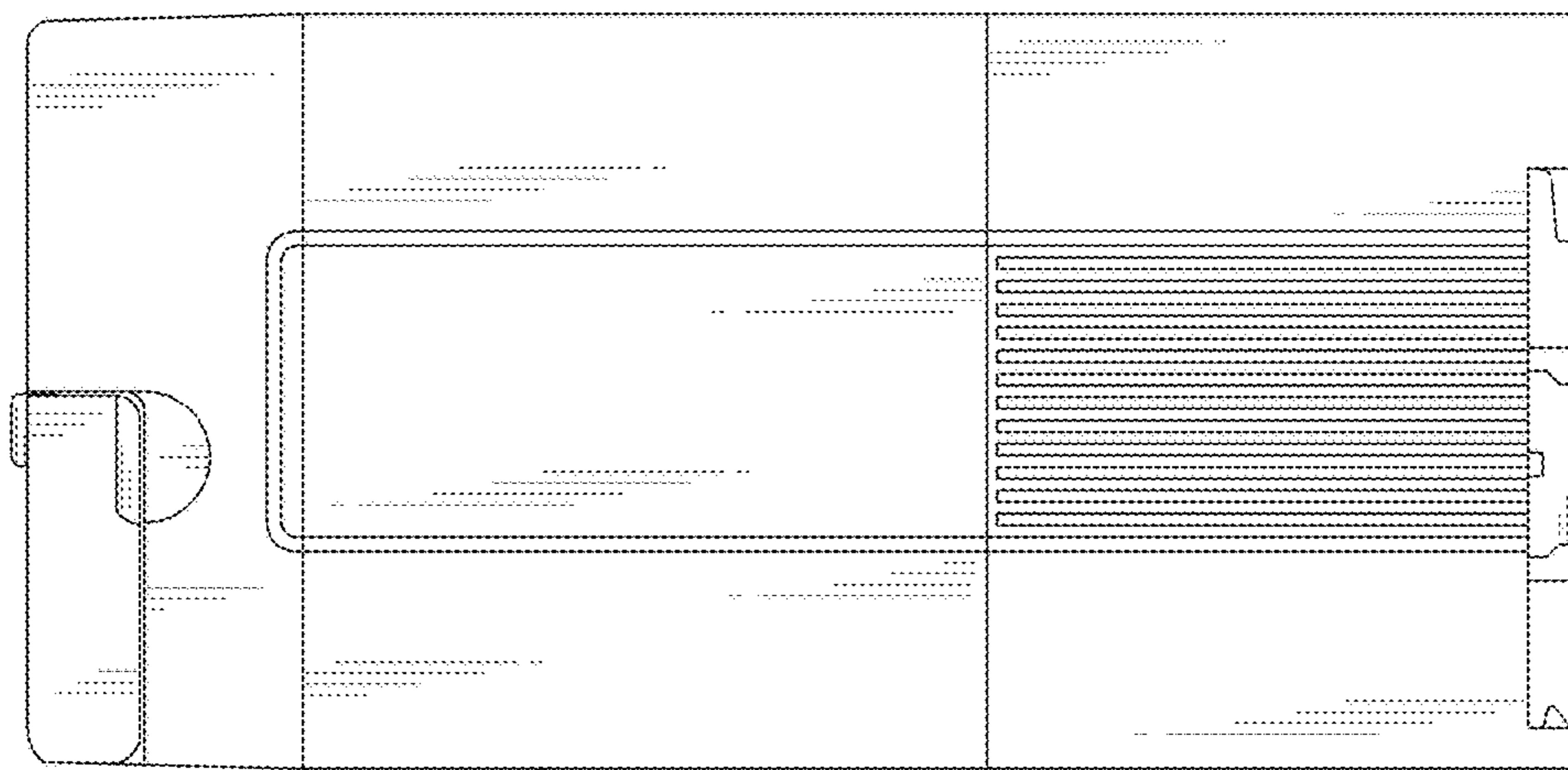
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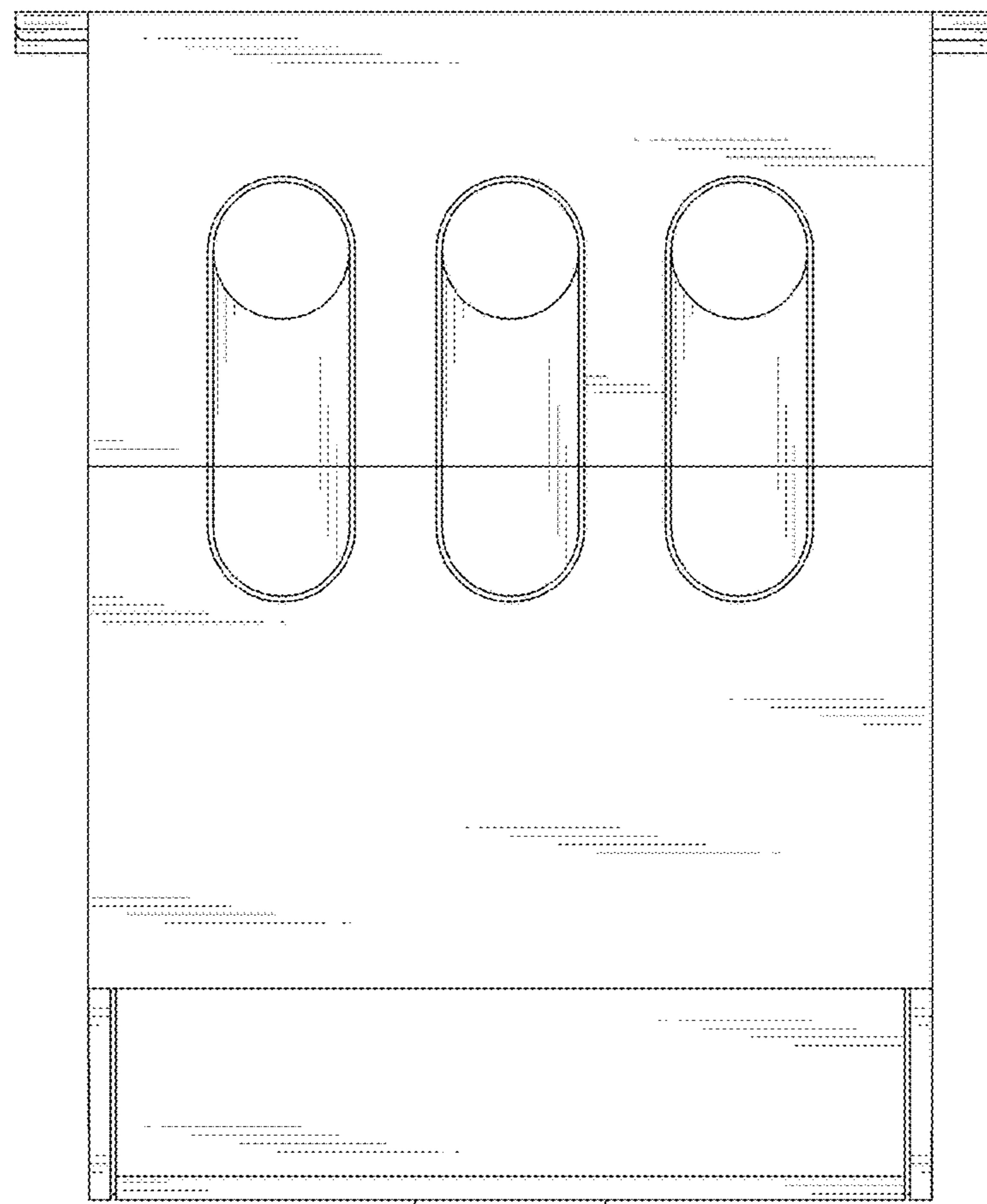
***FIG. 1***



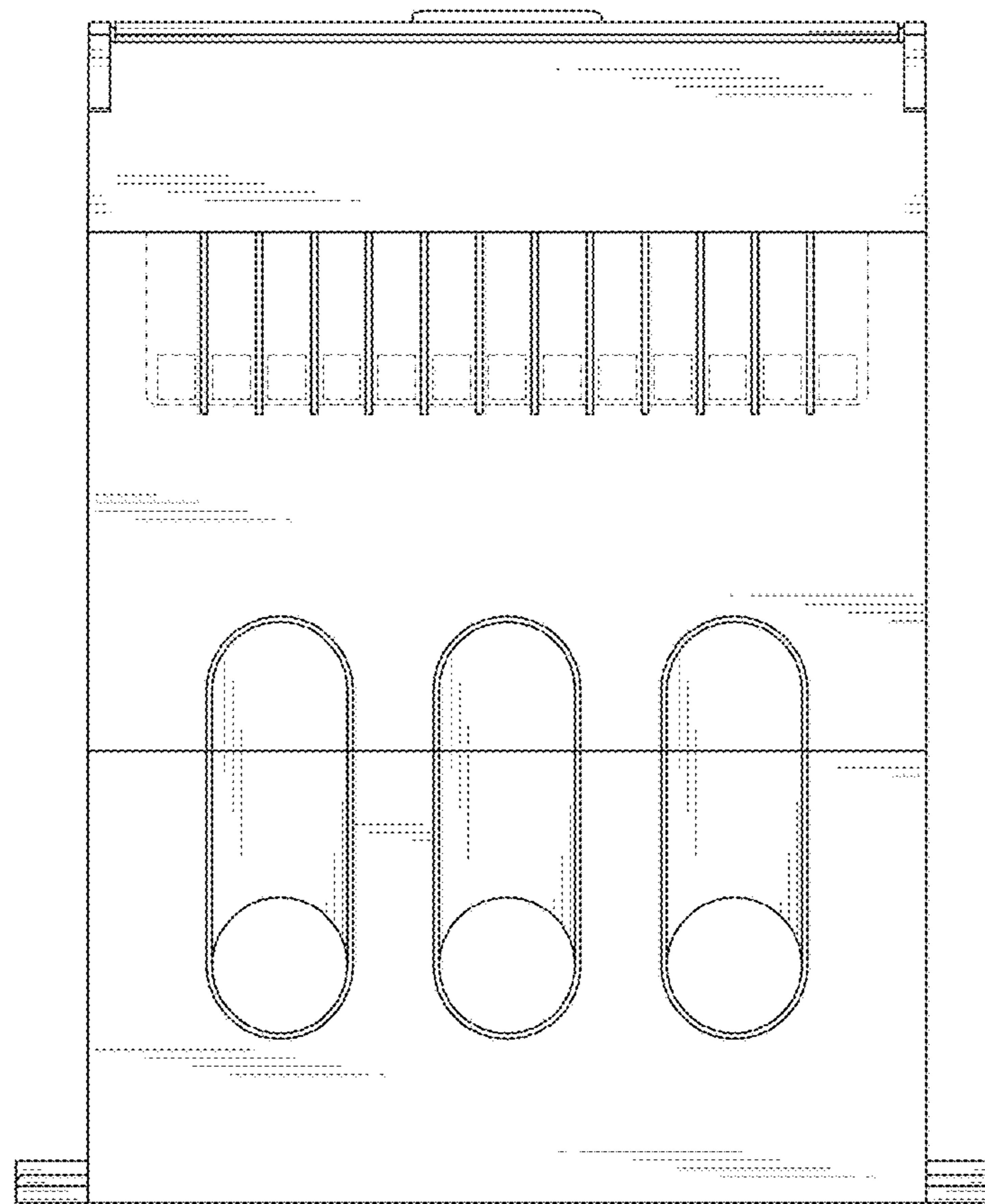
*FIG. 2**FIG. 3*

*FIG. 4**FIG. 5*

*FIG. 6*



*FIG. 7*



*FIG. 8*

