



US00D766998S

(12) **United States Design Patent** (10) **Patent No.:** **US D766,998 S**  
**Kao et al.** (45) **Date of Patent:** **\*\* Sep. 20, 2016**

(54) **3D PRINTING APPARATUS**  
(71) Applicants: **XYZPRINTING, INC.**, New Taipei (TW); **KINPO ELECTRONICS, INC.**, New Taipei (TW); **CAL-COMP ELECTRONICS & COMMUNICATIONS COMPANY LIMITED**, New Taipei (TW)  
(72) Inventors: **Chieh Kao**, New Taipei (TW); **Wen-Chun Chung**, New Taipei (TW); **Chun-An Hsu**, New Taipei (TW)  
(73) Assignees: **XYZPRINTING, INC.**, New Taipei (TW); **KINPO ELECTRONICS, INC.**, New Taipei (TW); **CAL-COMP ELECTRONICS & COMMUNICATIONS COMPANY LIMITED**, New Taipei (TW)

D657,108 S \* 4/2012 Yang ..... D34/7  
D675,802 S \* 2/2013 Yang ..... D34/7  
D681,302 S \* 4/2013 Moore ..... D34/11  
D684,332 S \* 6/2013 Gollob ..... D34/1  
D711,463 S \* 8/2014 Costabeber ..... D14/300  
D722,108 S \* 2/2015 Reches ..... D18/50  
D729,309 S \* 5/2015 Jun ..... D18/50  
D732,586 S \* 6/2015 Chen ..... D15/122  
D732,587 S \* 6/2015 Hsu ..... D15/122  
D732,588 S \* 6/2015 Lin ..... D15/122  
D734,814 S \* 7/2015 Yeh ..... D18/50  
D736,838 S \* 8/2015 Costabeber ..... D15/122  
D738,410 S \* 9/2015 Liu ..... D15/122  
D739,885 S \* 9/2015 Lee ..... D15/122  
D740,863 S \* 10/2015 Kemperle ..... D15/122  
D745,069 S \* 12/2015 Kemperle ..... D15/122  
D749,155 S \* 2/2016 Kemperle ..... D15/122  
D752,661 S \* 3/2016 Anantha ..... D15/122  
2014/0043630 A1 \* 2/2014 Buser ..... H04N 13/02  
358/1.13

\* cited by examiner

Primary Examiner — Patricia Palasik

(74) Attorney, Agent, or Firm — Chun-Ming Shih; HDLS IPR Services

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

(21) Appl. No.: **29/534,300**

(22) Filed: **Jul. 28, 2015**

(51) **LOC (10) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/122**

(58) **Field of Classification Search**  
USPC ..... D15/122, 135; D18/6-7, 14, 19, 50, 54, D18/54.1, 55, 59  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D319,519 S \* 8/1991 Keir ..... D34/1  
D514,556 S \* 2/2006 Rising ..... D14/300  
D546,016 S \* 7/2007 Boll ..... D34/9  
7,297,304 B2 \* 11/2007 Swanson ..... B29C 41/36  
264/308  
D580,613 S \* 11/2008 Yang ..... D34/7  
D631,221 S \* 1/2011 Yang ..... D34/9

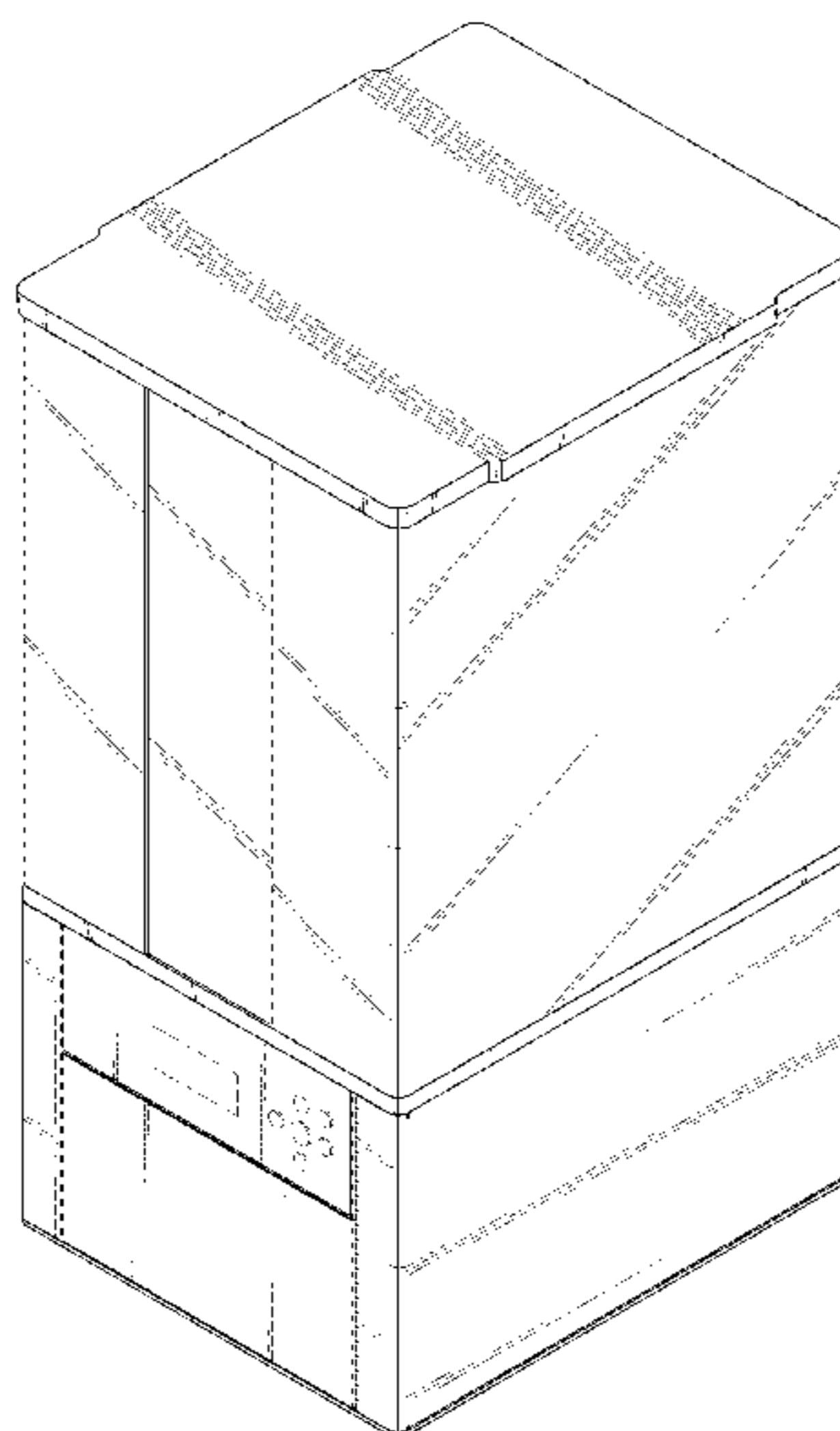
(57) **CLAIM**

The ornamental design for a 3D printing apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a 3D printing apparatus showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is the second perspective view showing the 3D printing apparatus.  
The broken lines shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



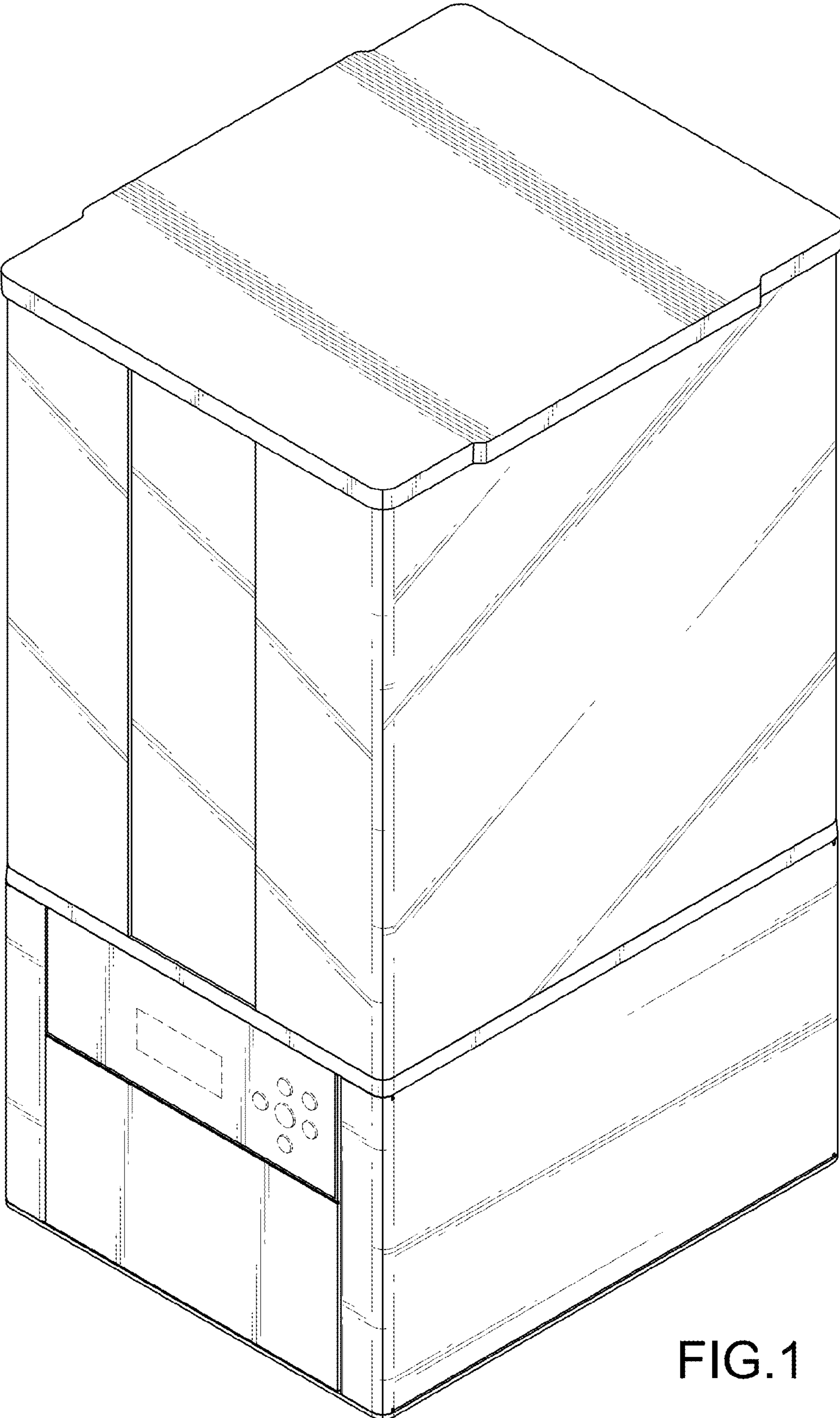


FIG.1

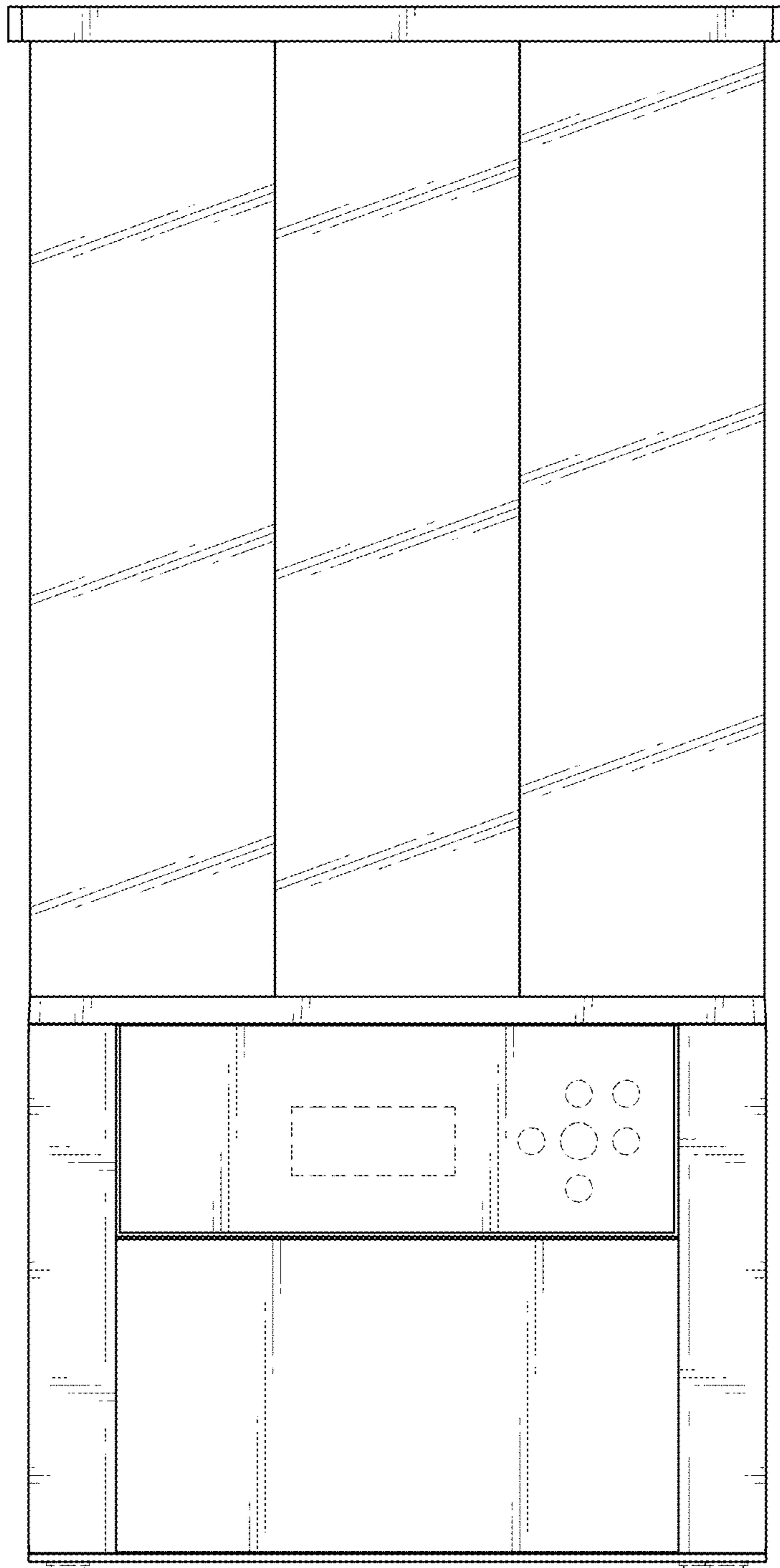


FIG.2

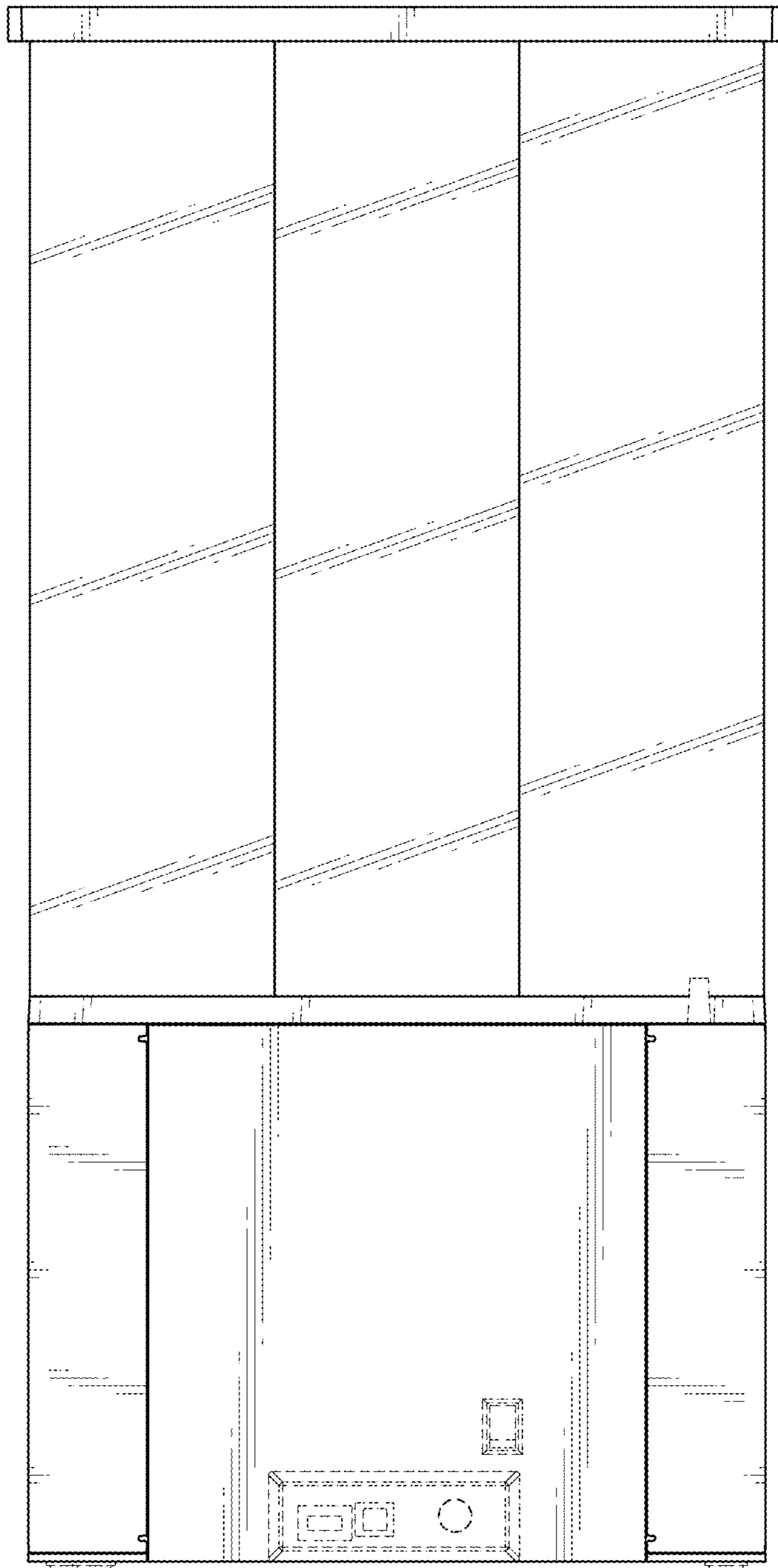


FIG.3



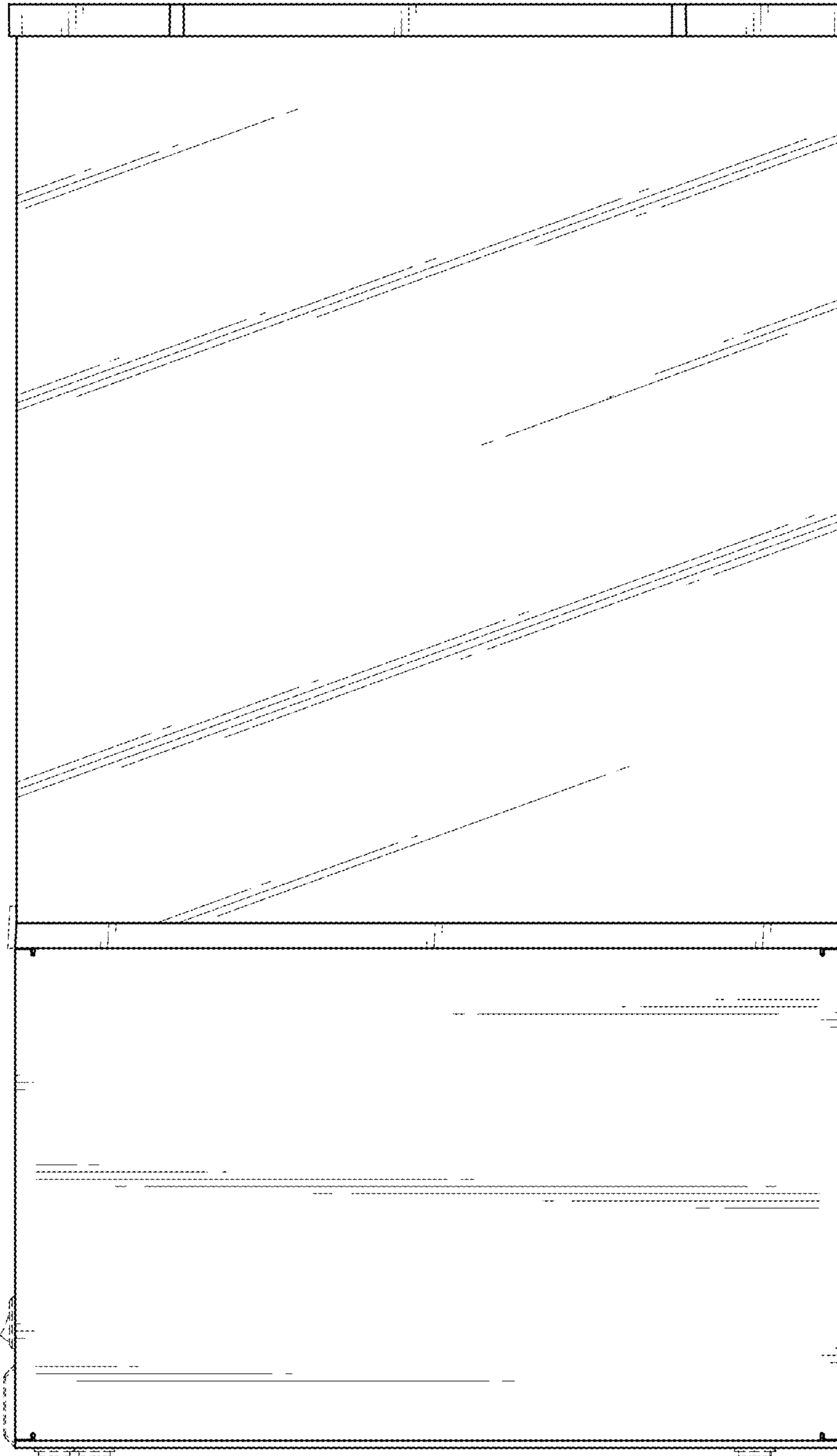


FIG.4

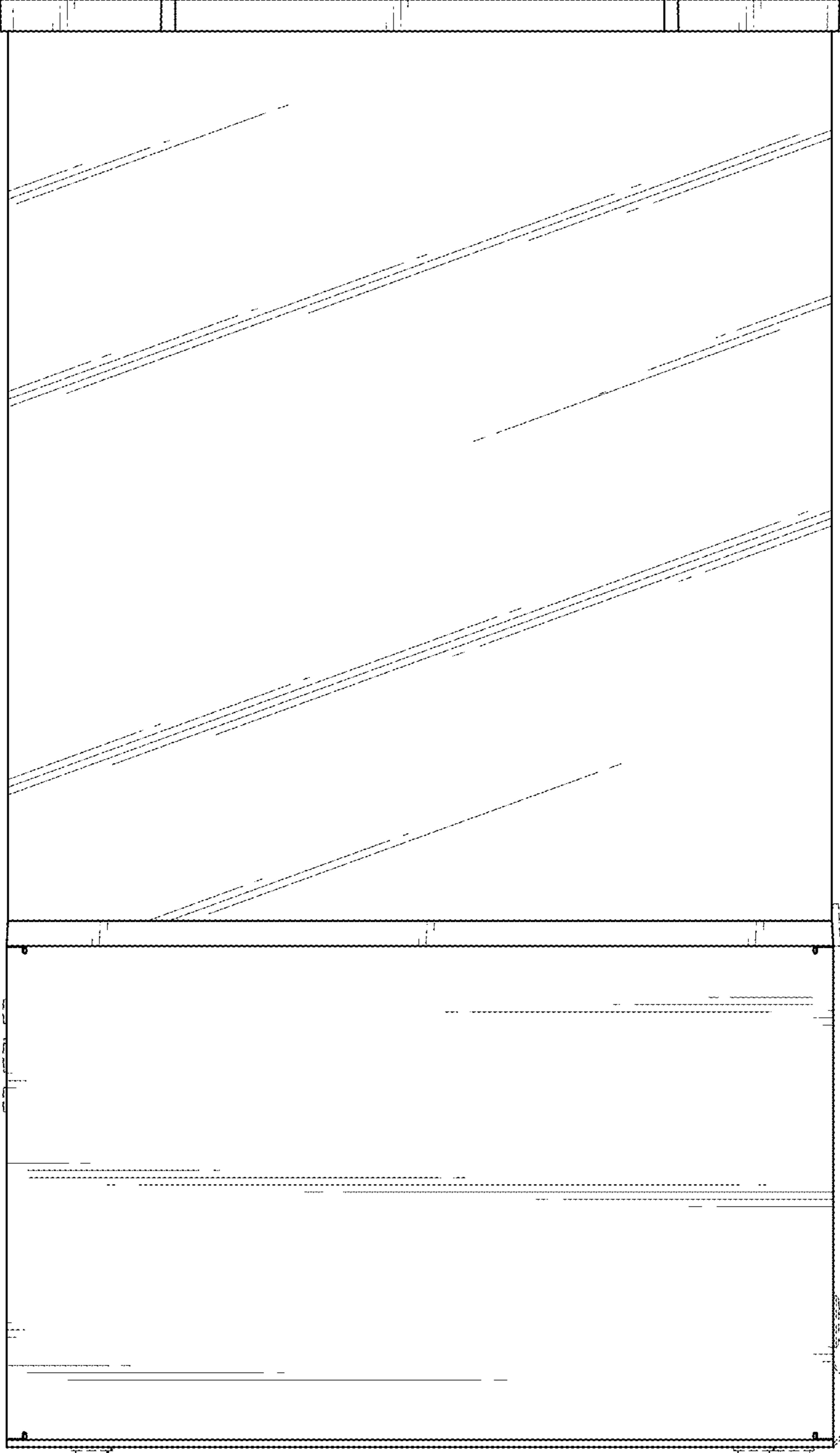


FIG.5

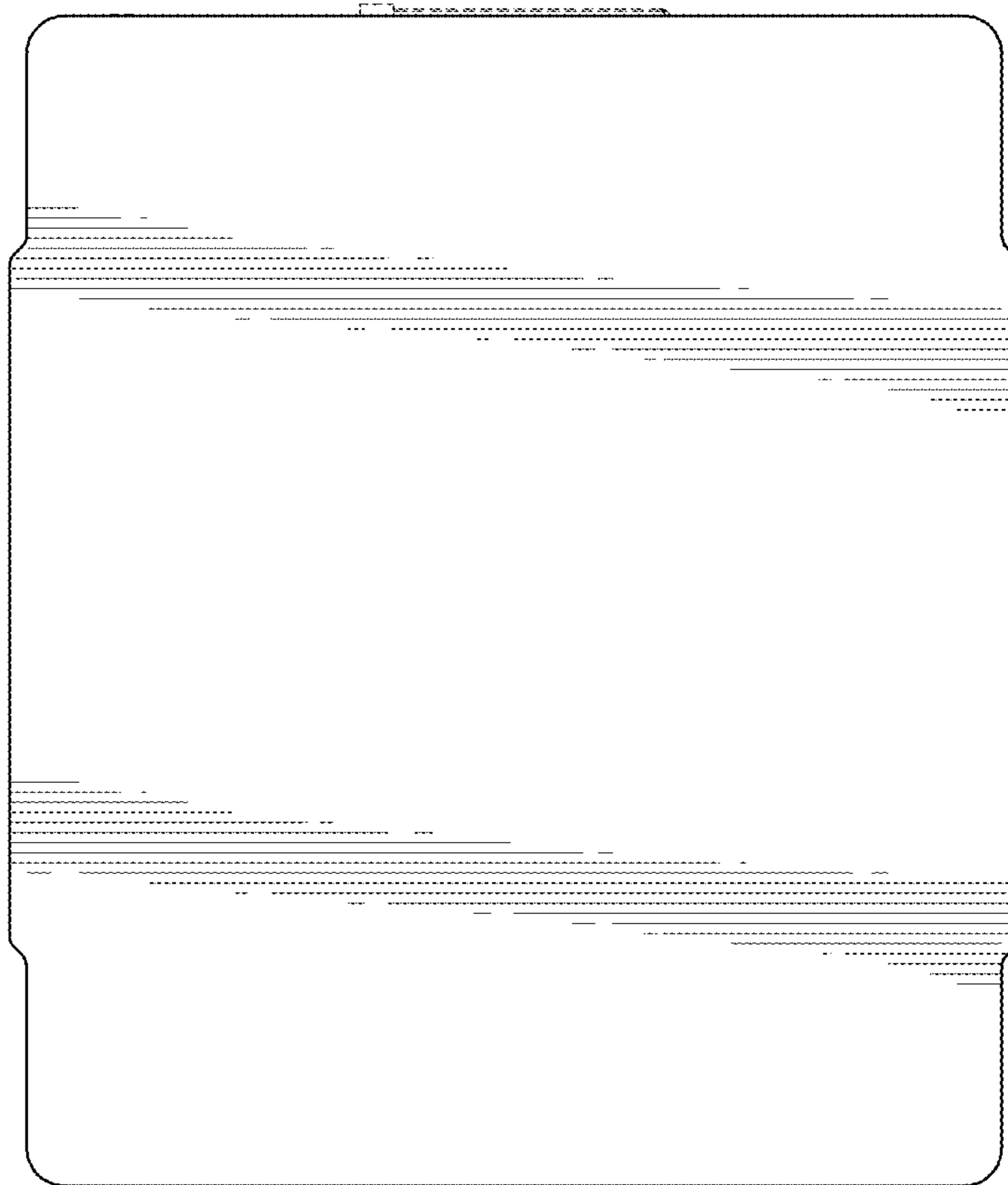


FIG. 6

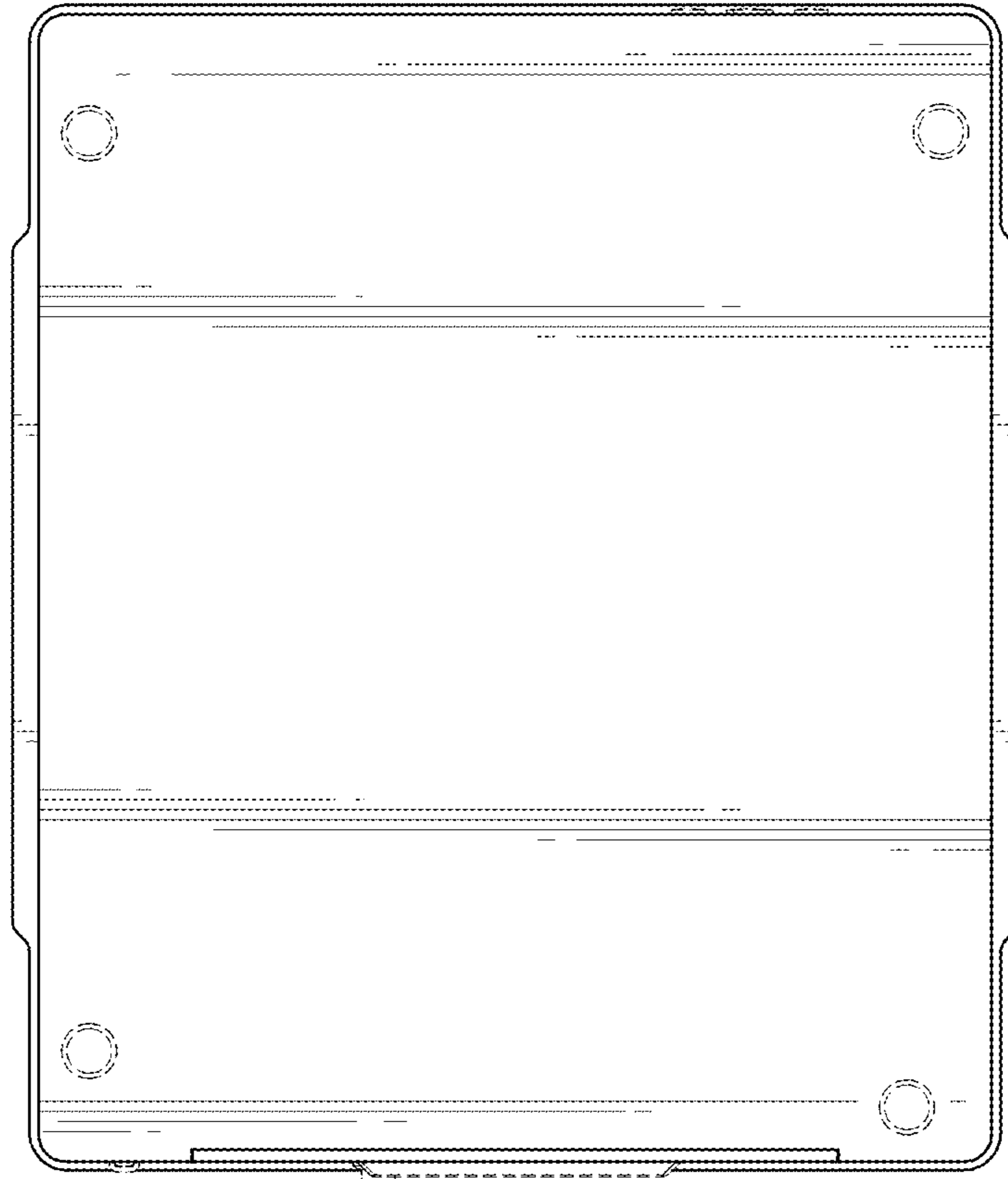


FIG.7



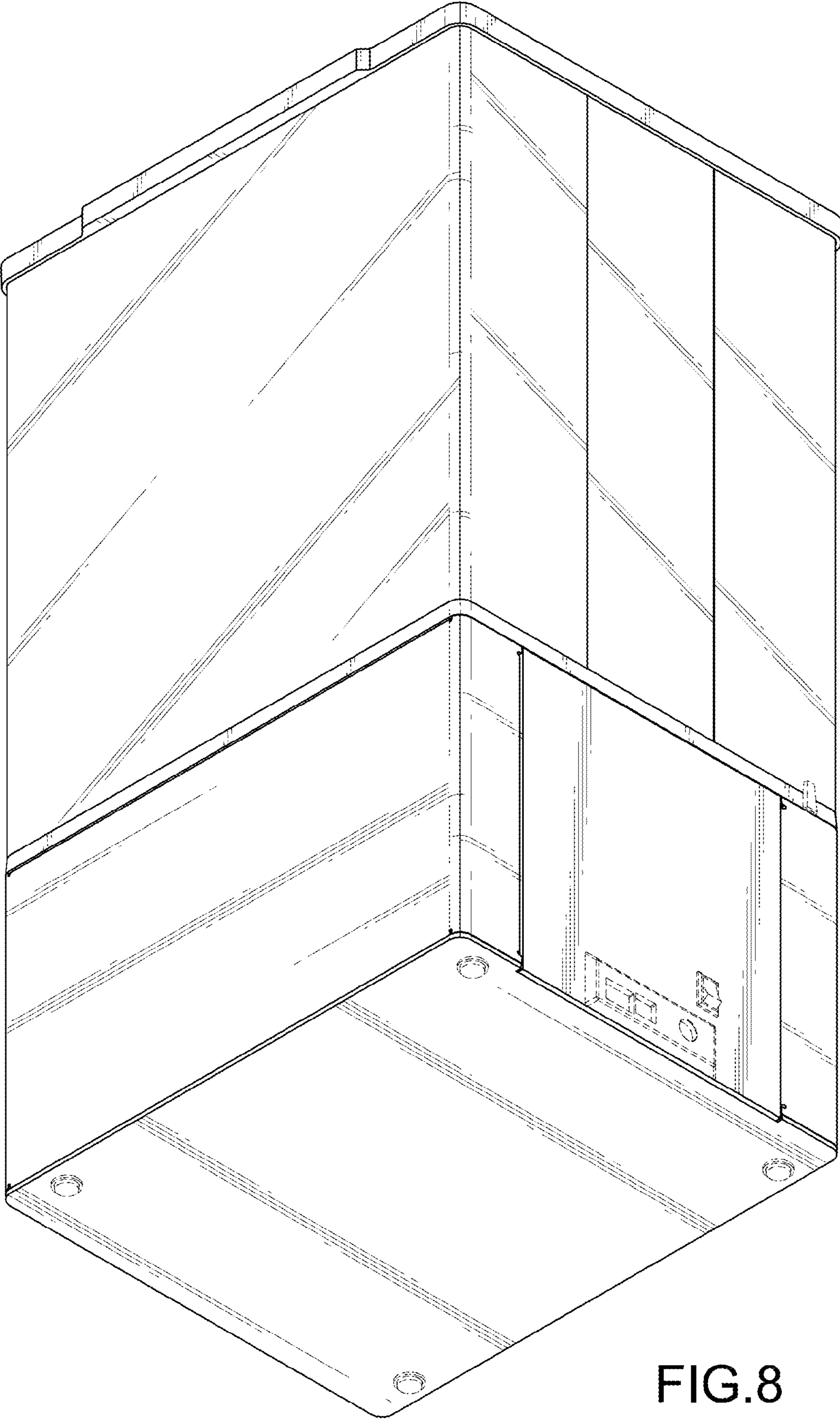


FIG.8