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(12) **United States Design Patent** (10) **Patent No.: US D1,003,415 S**  
**Keeler et al.** (45) **Date of Patent: \*\* \*Oct. 31, 2023**

(54) **FLOOR AIR PURIFIER**

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**Sam Keeler**, Barrington, IL (US)

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(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/728,493**

(22) Filed: **Mar. 19, 2020**

(51) **LOC (14) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
USPC ..... D23/355–366, 352, 369, 332, 333, 335,  
D23/336, 342, 351; 422/120, 122;  
55/356, 473, 504; 96/97; 261/DIG. 17,  
261/DIG. 65, DIG. 88, DIG. 31  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D  
47/027; B01D 2221/02; B01D 2259/4508;  
B03C 3/155; B03C 3/368; F24F 3/16;  
F24F 13/20; F24F 13/28  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D453,822 S \* 2/2002 Meeks ..... D23/356  
D558,317 S \* 12/2007 Francisquini ..... D23/351  
D641,462 S \* 7/2011 Rafi ..... D23/365  
D777,891 S \* 1/2017 Kubota ..... D23/351  
D778,419 S \* 2/2017 Poindexter ..... D23/365  
D849,217 S \* 5/2019 Yamashita ..... D23/351

D873,398 S \* 1/2020 Seo ..... D23/364  
D893,692 S \* 8/2020 Jakpor ..... D23/355  
D893,695 S \* 8/2020 Gale ..... D23/365  
D896,936 S \* 9/2020 Ou ..... D23/333  
D900,986 S \* 11/2020 Chan ..... D23/335  
D902,365 S \* 11/2020 Niki ..... D23/351  
D906,502 S \* 12/2020 Lu ..... D23/364

\* cited by examiner

*Primary Examiner* — David G Muller

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Much Shelist, P.C.

(57) **CLAIM**

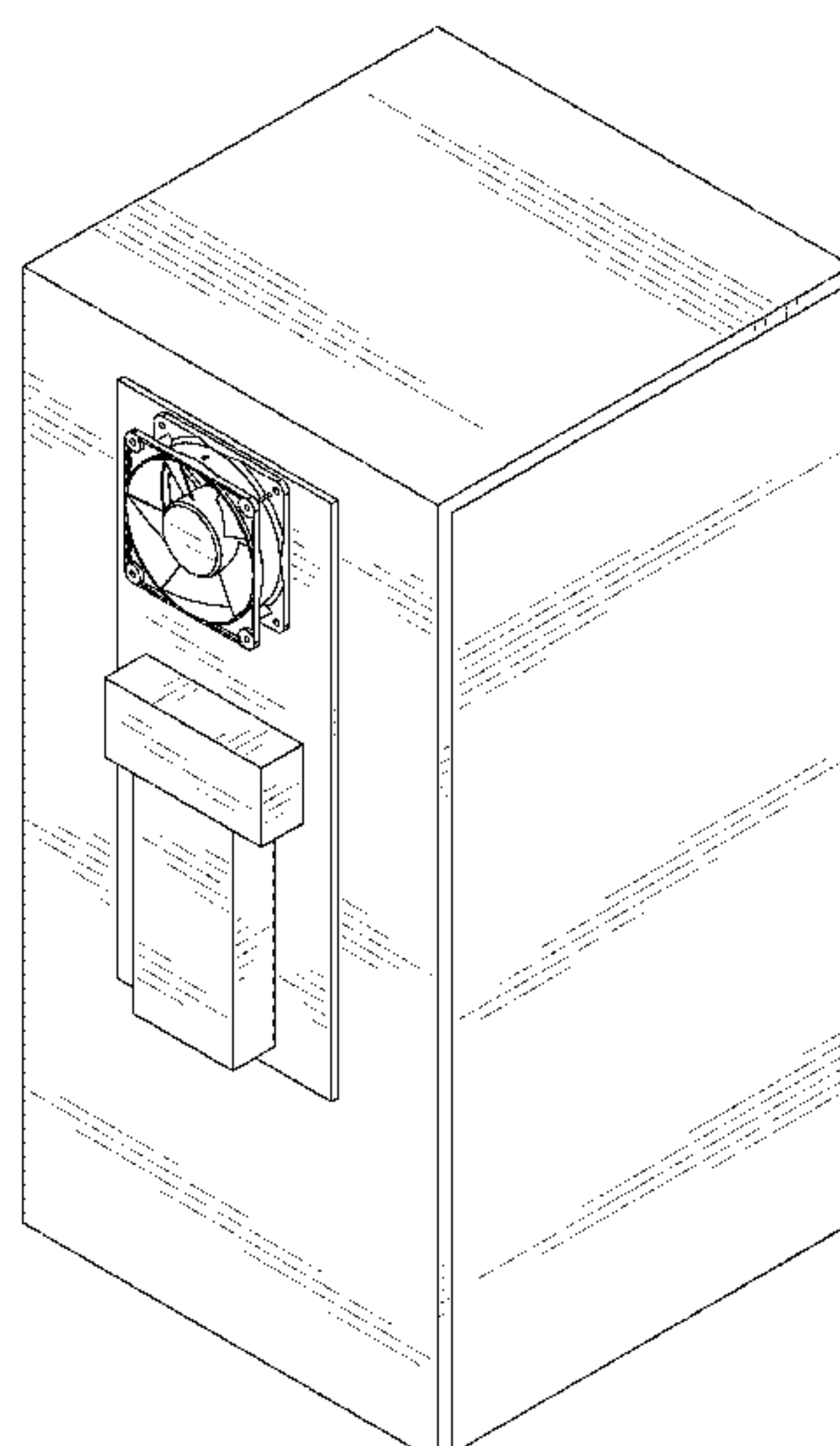
The ornamental design for a floor air purifier, as shown and described.

**DESCRIPTION**

FIG. 1 is a top left side perspective view showing the new design for floor air purifier;  
FIG. 2 is a rear right side perspective view thereof;  
FIG. 3 is rear bottom side perspective view from underneath thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a left side view thereof;  
FIG. 7 is a right side view thereof;  
FIG. 8 is a top plan view thereof;  
FIG. 9 is a bottom plan view thereof;  
FIG. 10 is a front perspective view in a partially exploded view thereof;  
FIG. 11 is another perspective view thereof;  
FIG. 12 is a front view thereof;  
FIG. 13 is a rear view thereof;  
FIG. 14 is a left side view thereof;  
FIG. 15 is a right side view thereof;  
FIG. 16 is a top plan view thereof; and,  
FIG. 17 is a bottom plan view thereof.

The broken lines in the figures show portions of the floor air purifier that form no part of the claimed design.

**1 Claim, 17 Drawing Sheets**



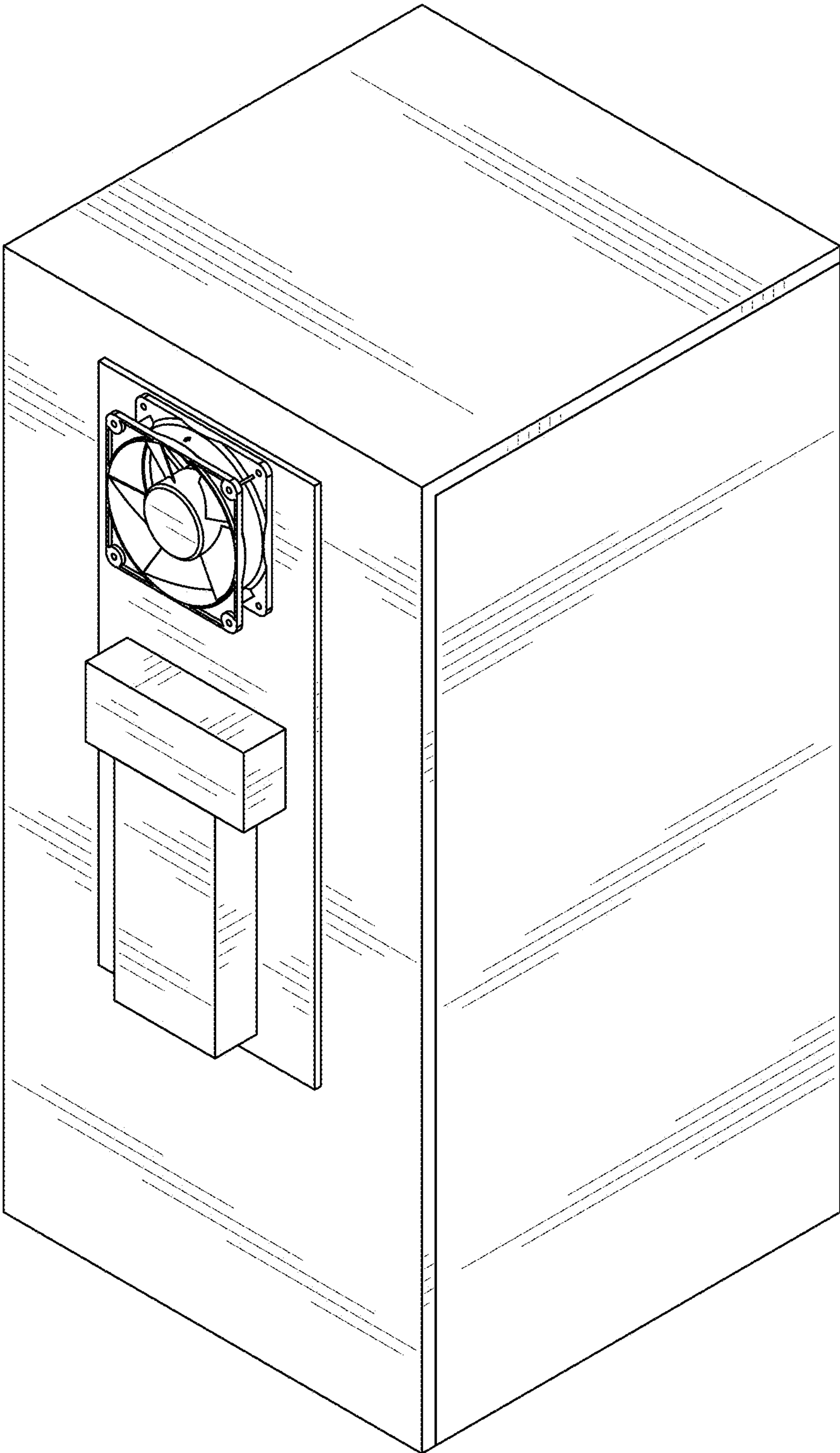


FIG. 1

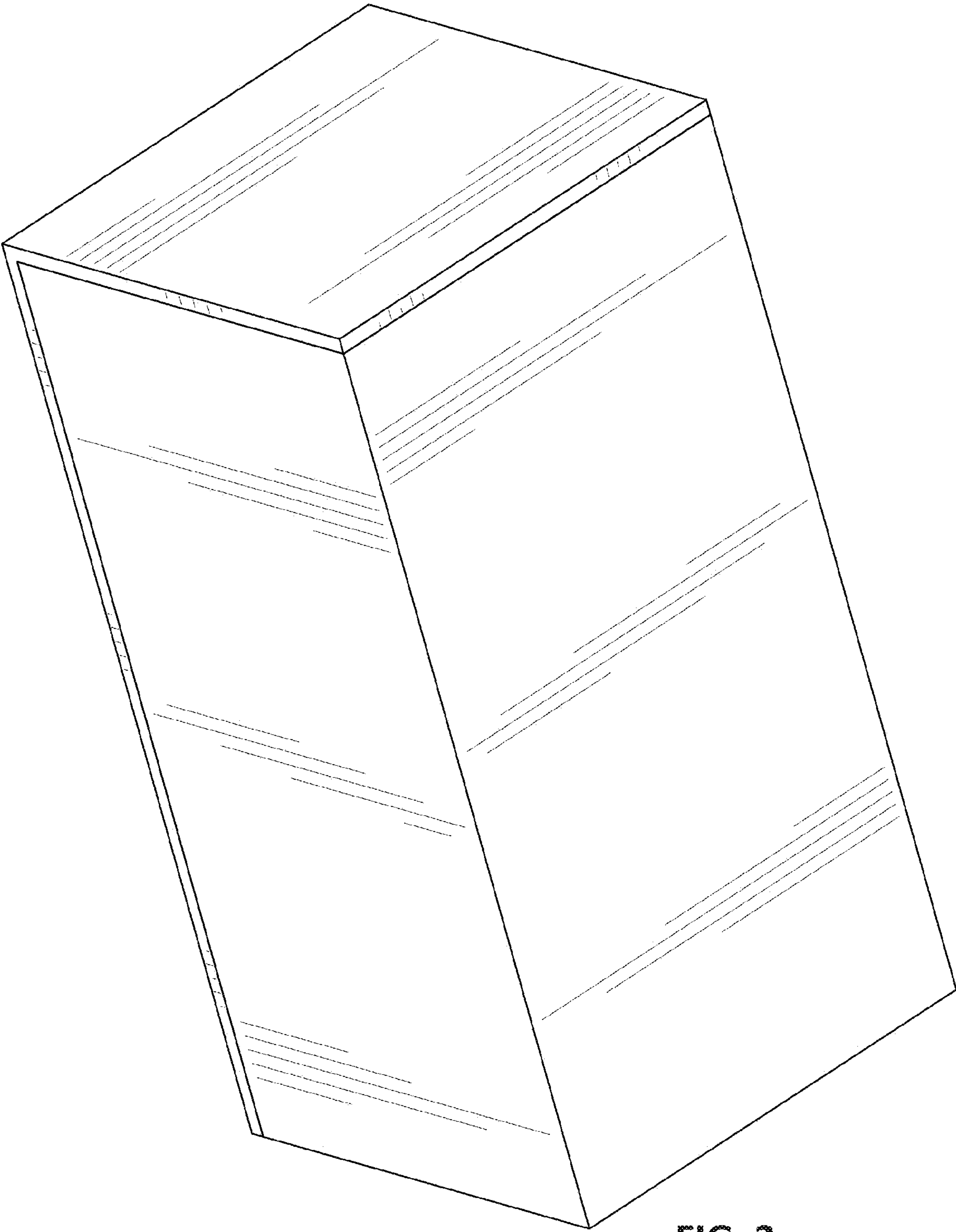


FIG. 2

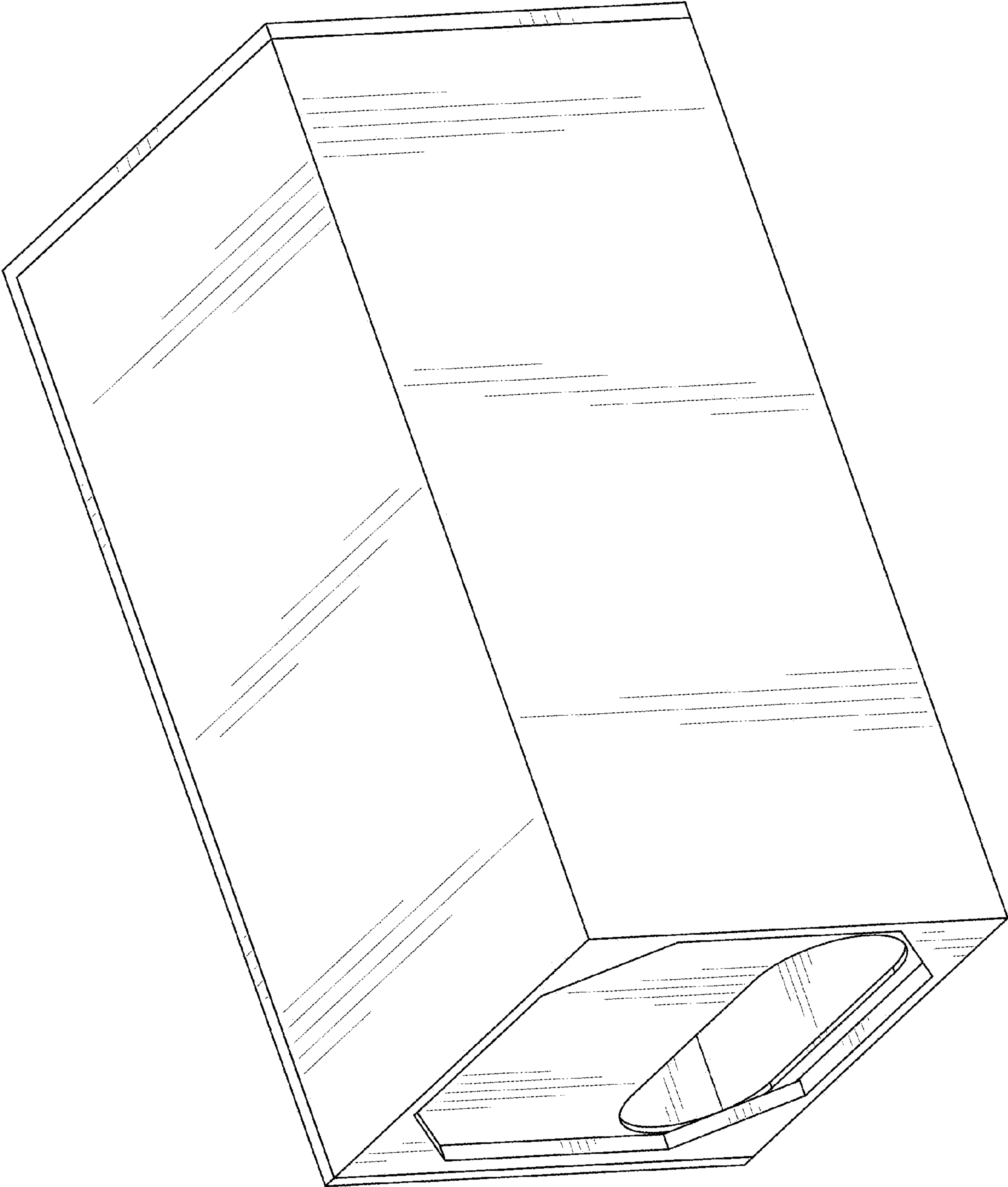


FIG. 3

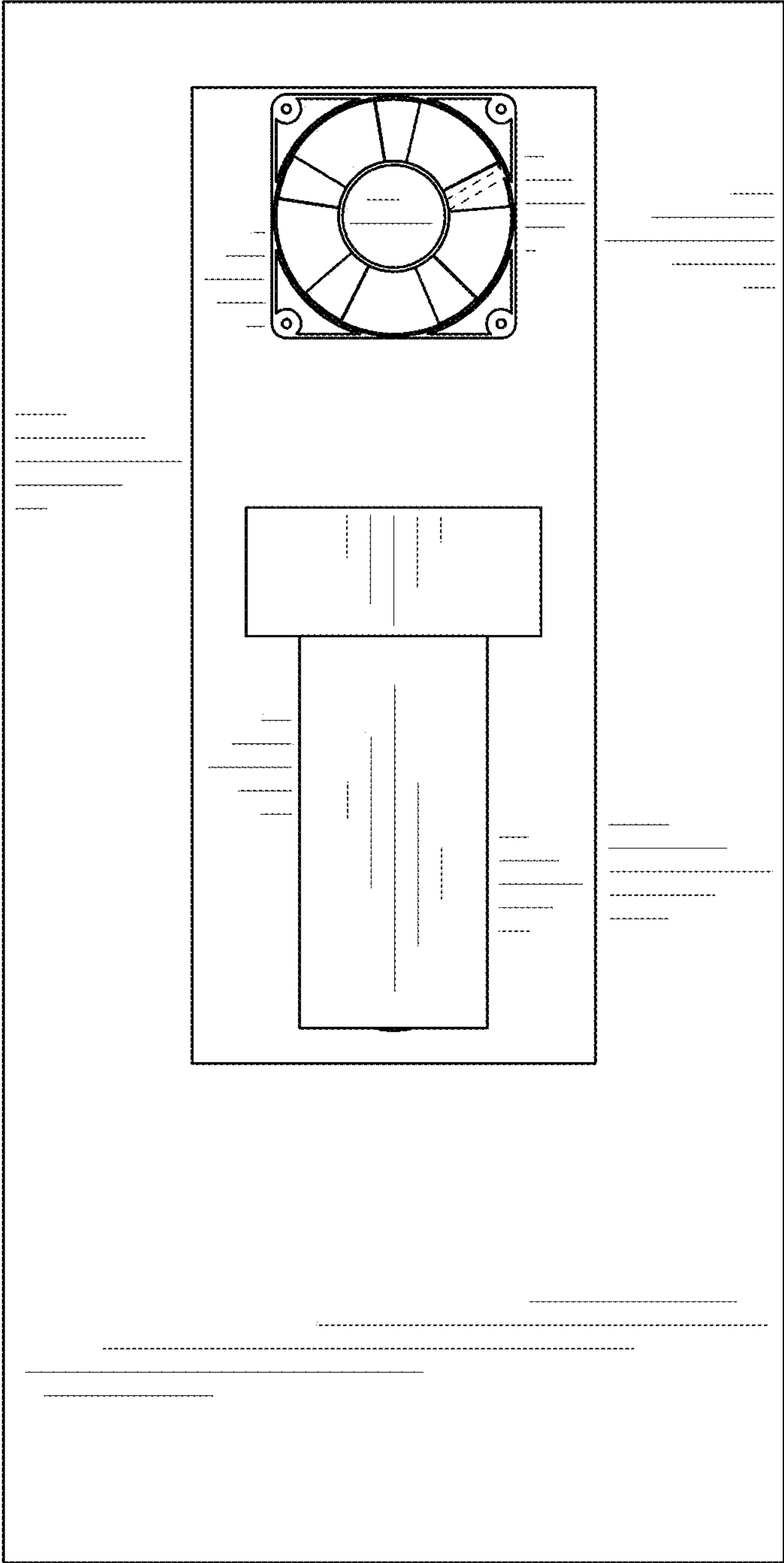


FIG. 4

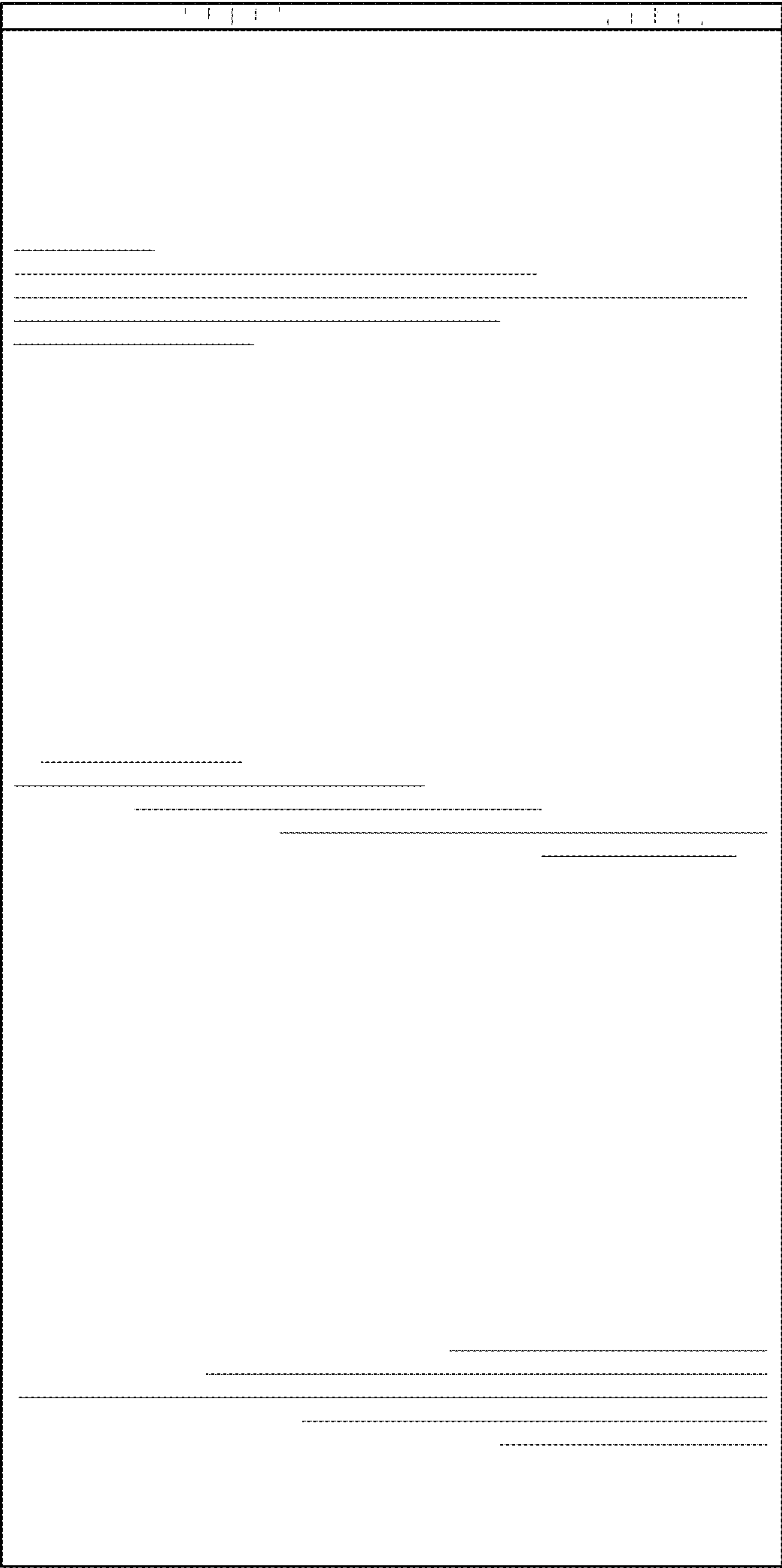


FIG. 5

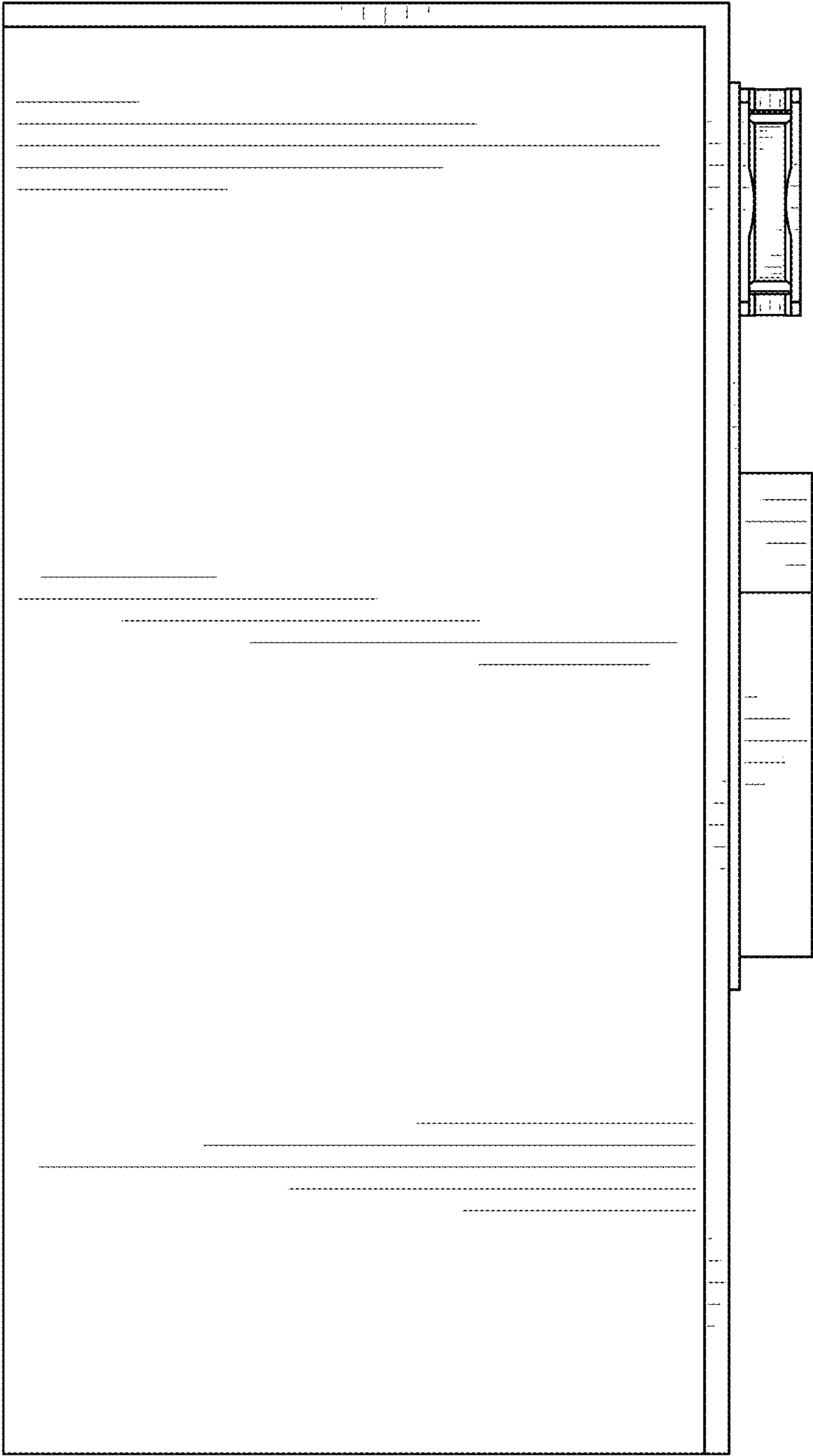


FIG. 6

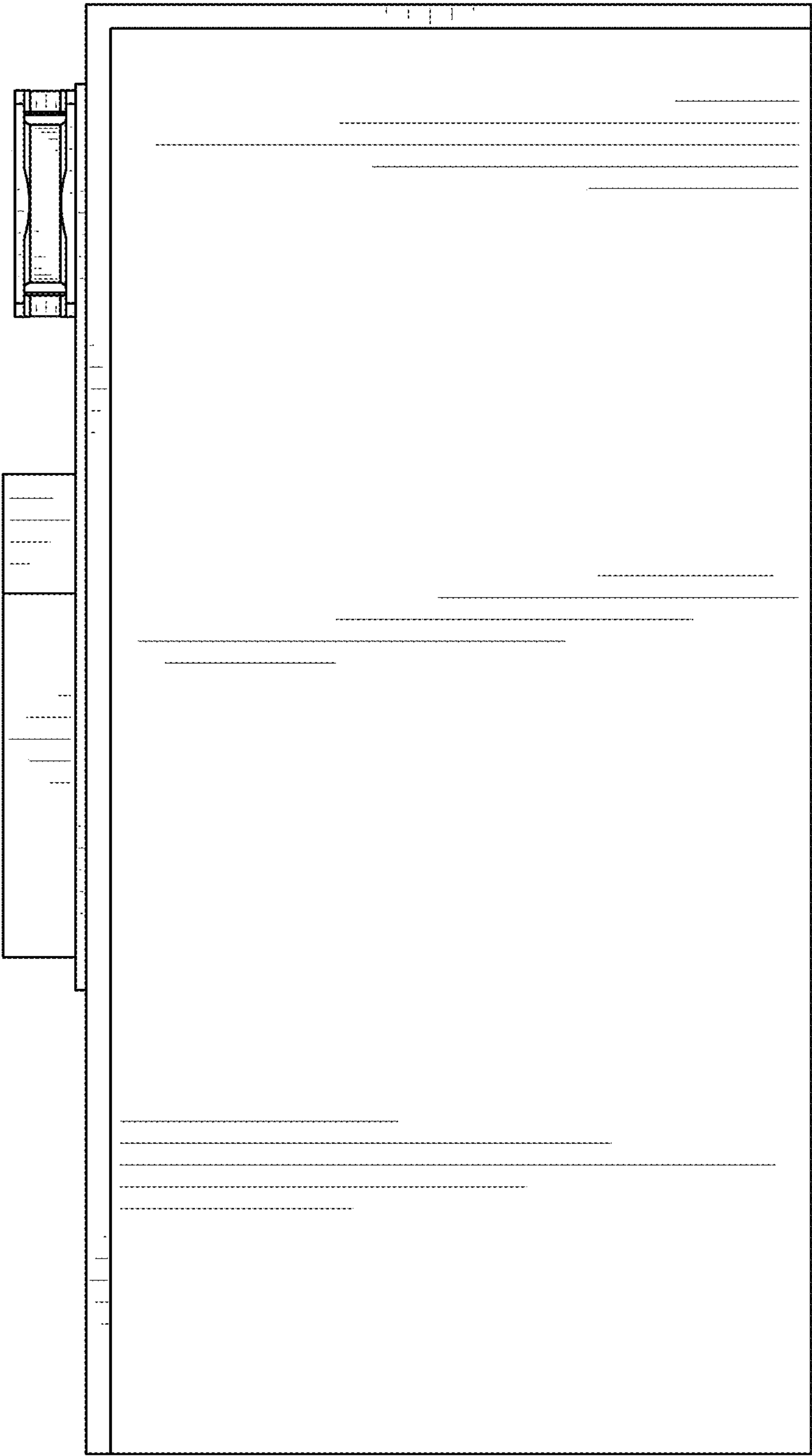


FIG. 7

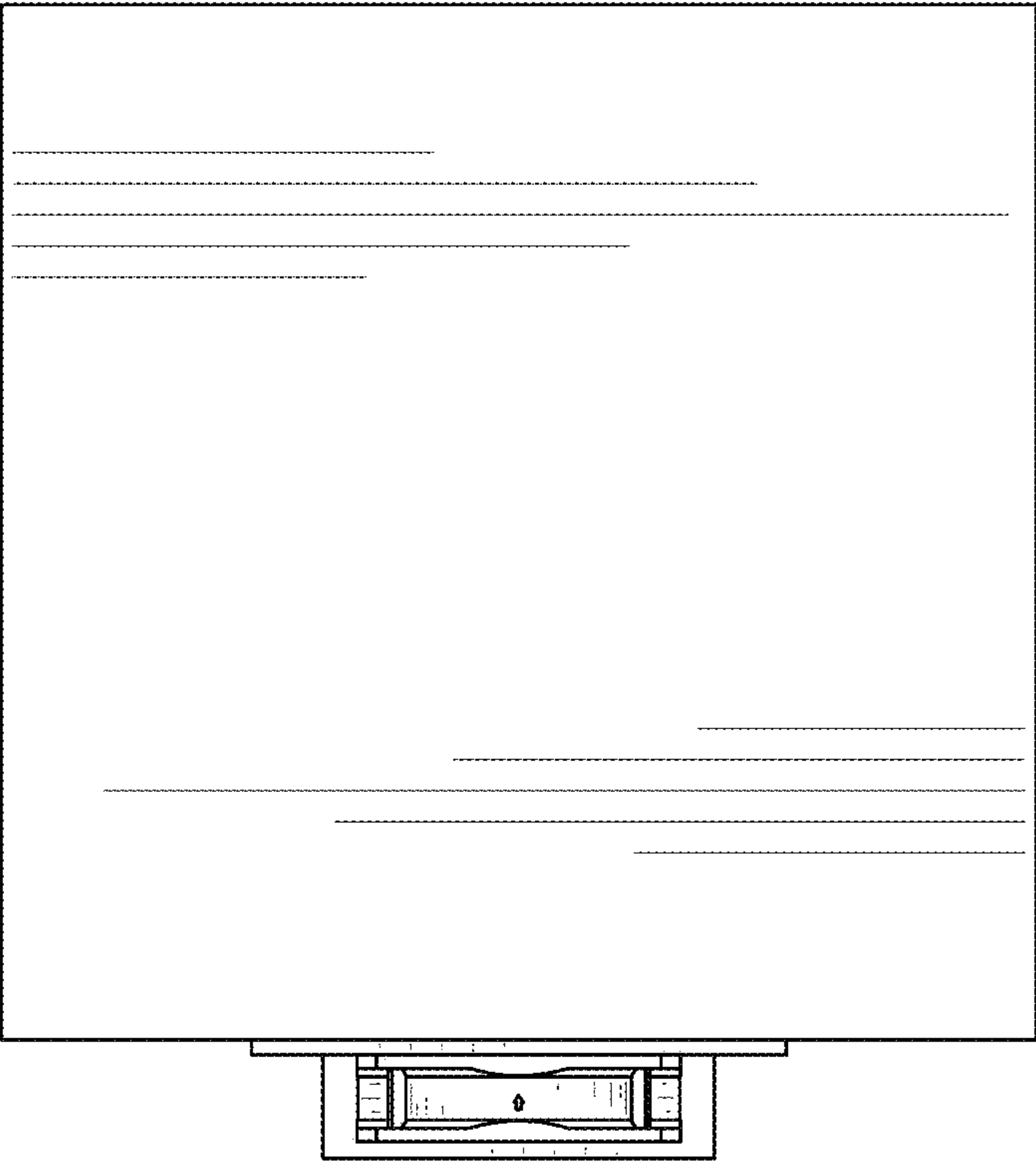


FIG. 8

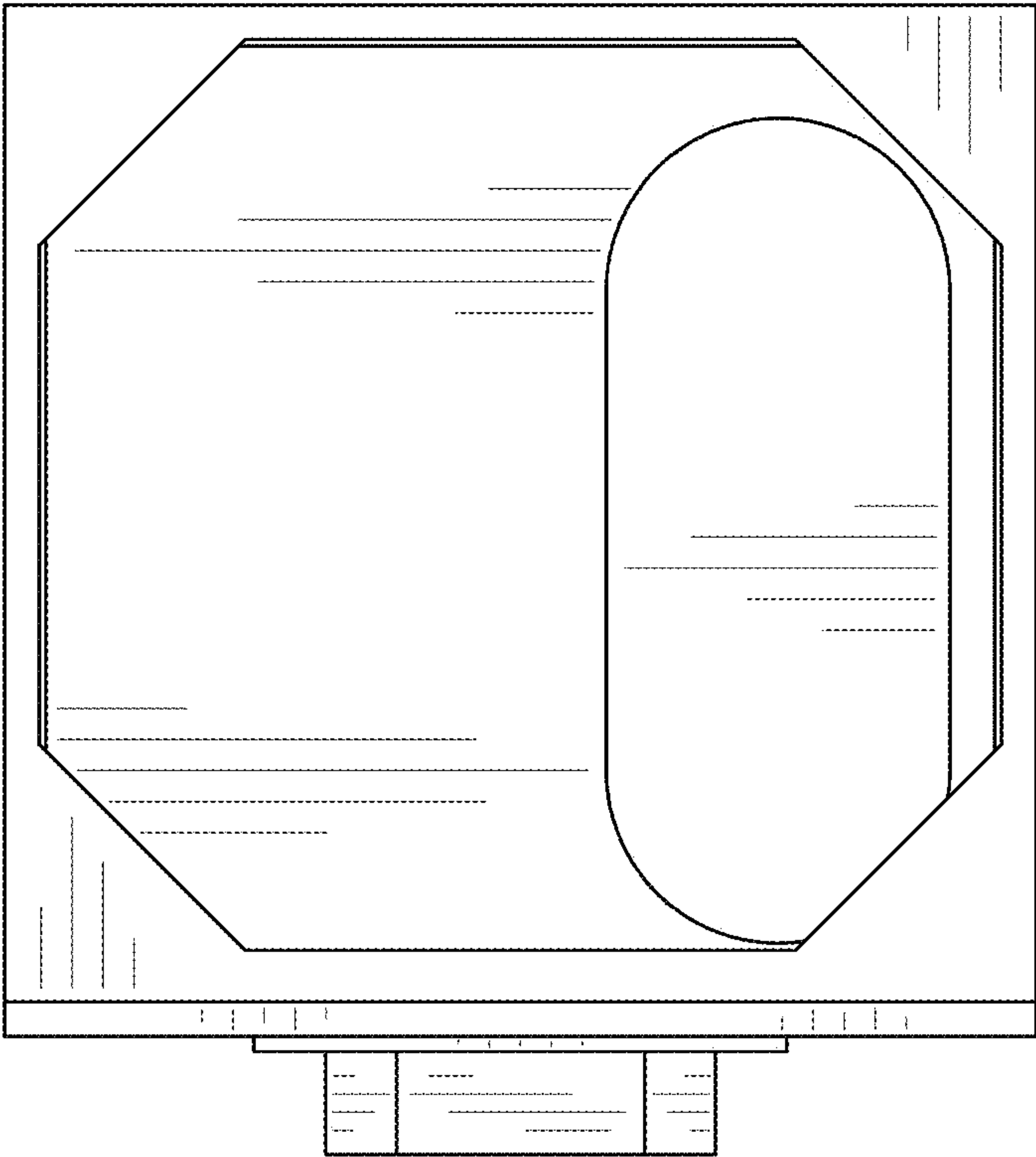


FIG. 9

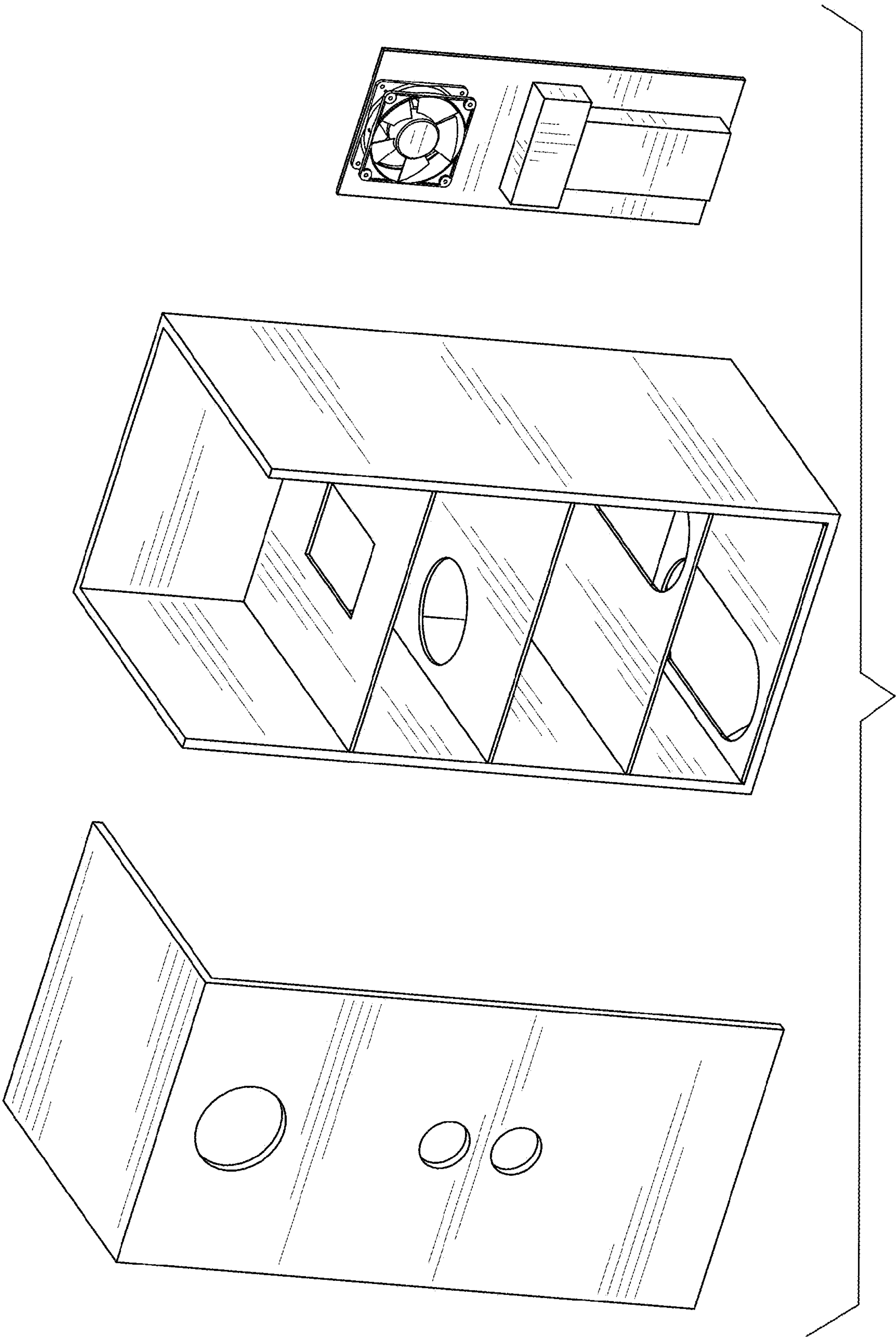


FIG. 10

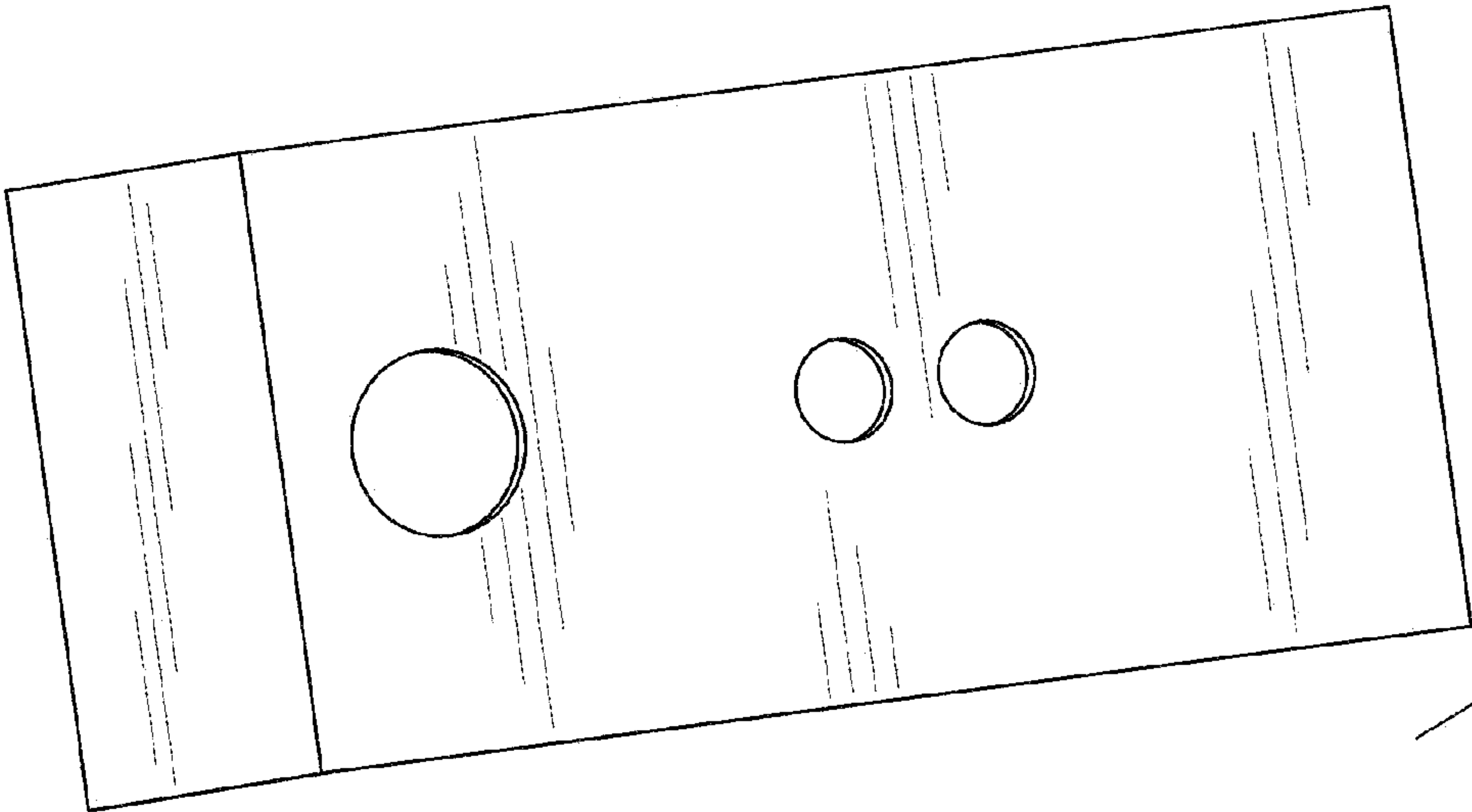
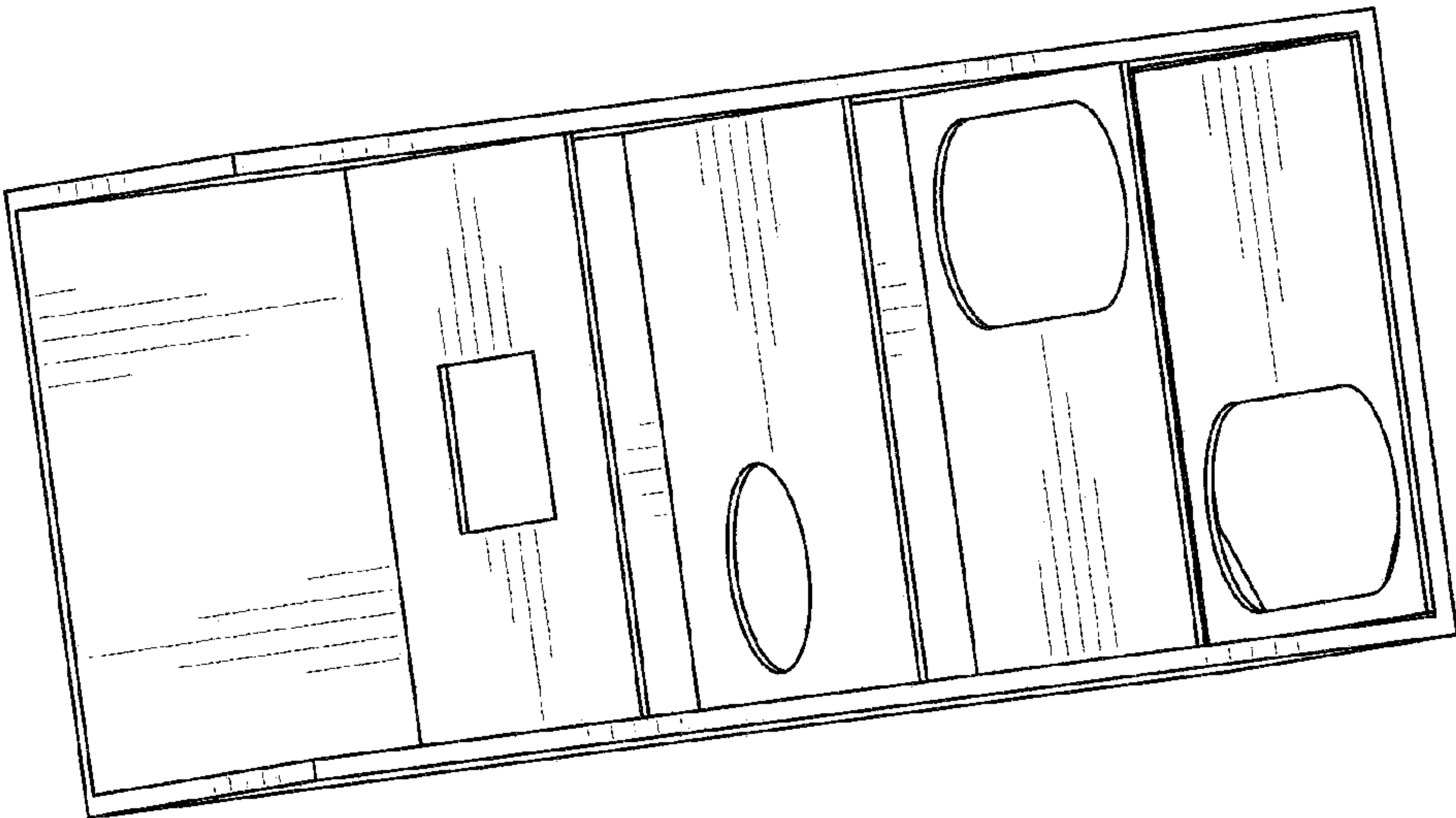
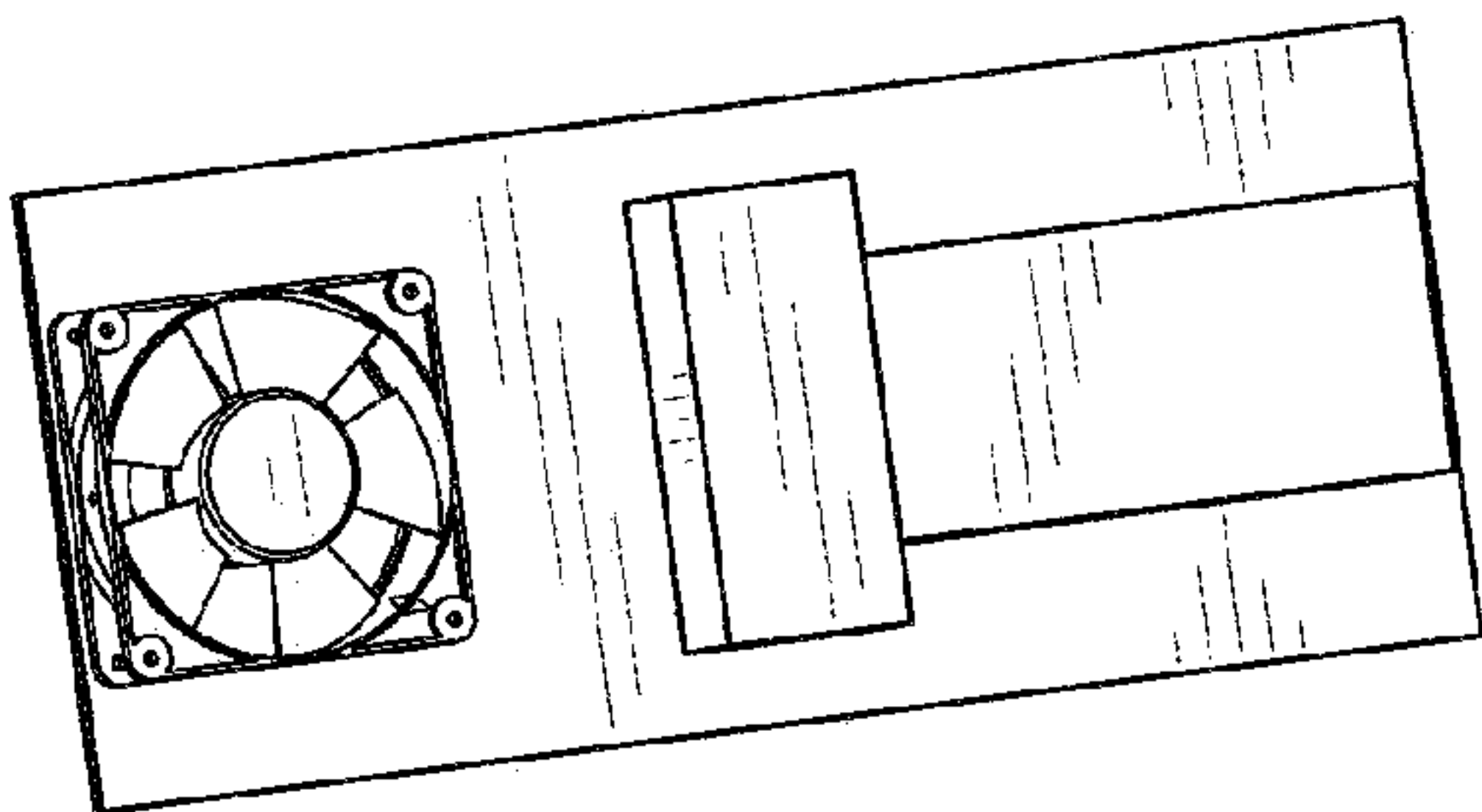


FIG. 11

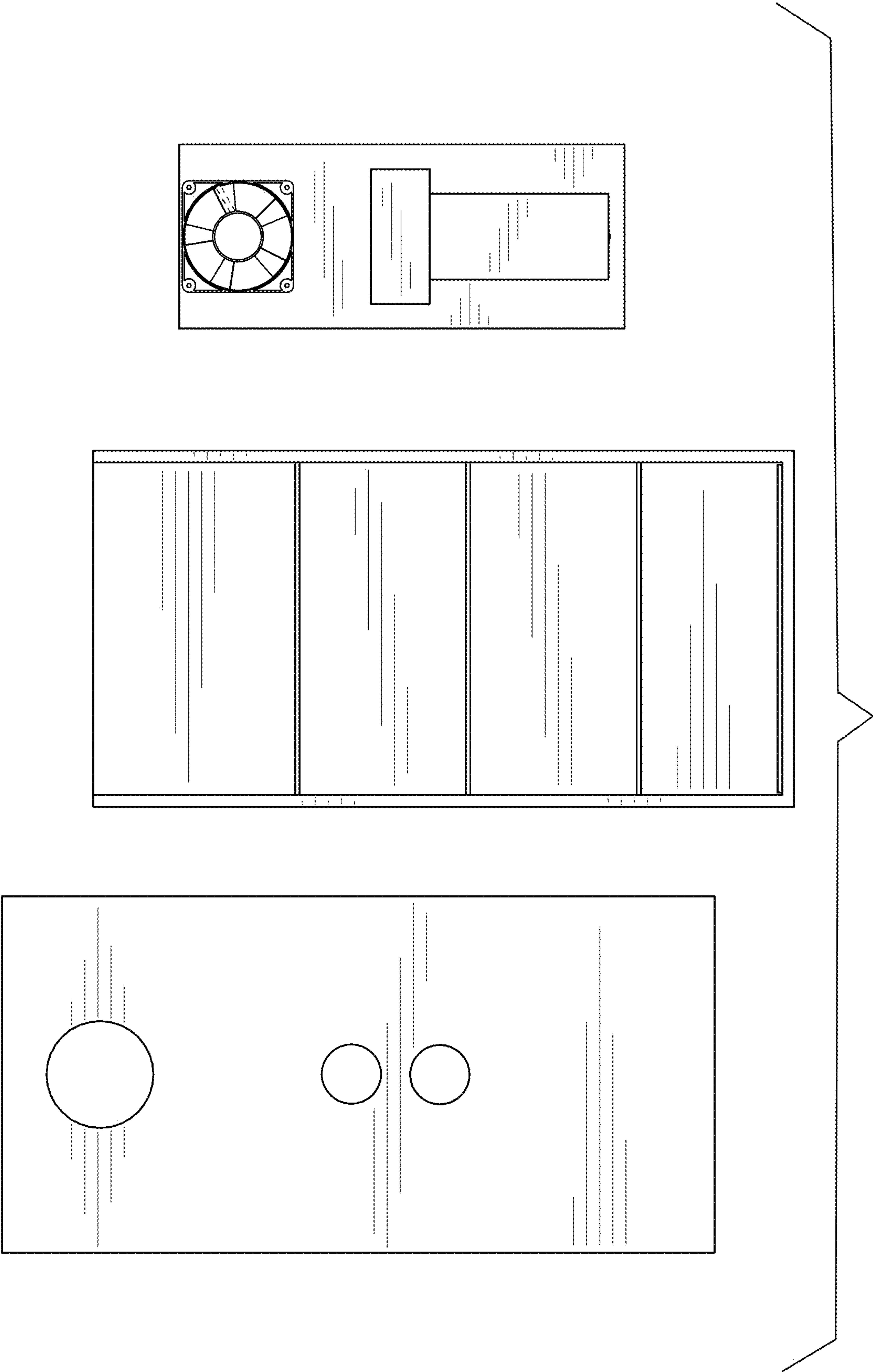


FIG. 12

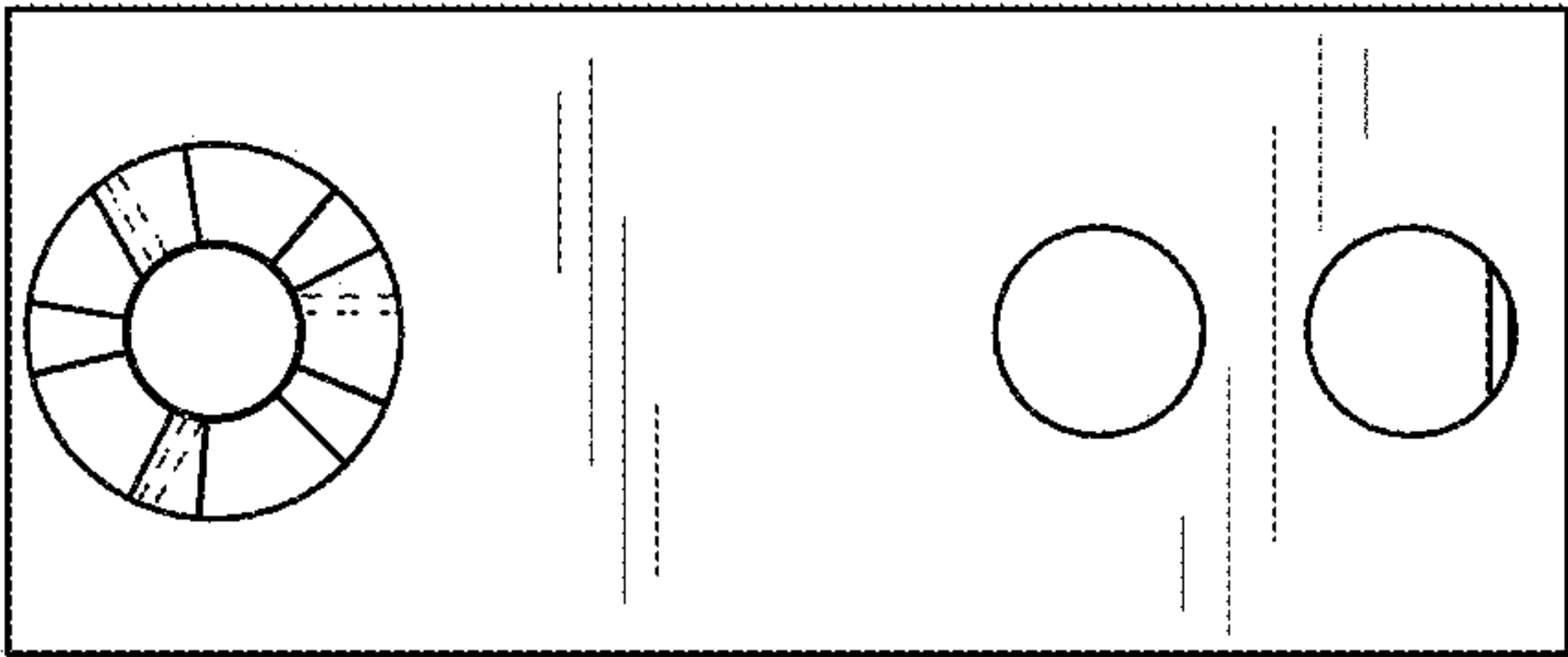
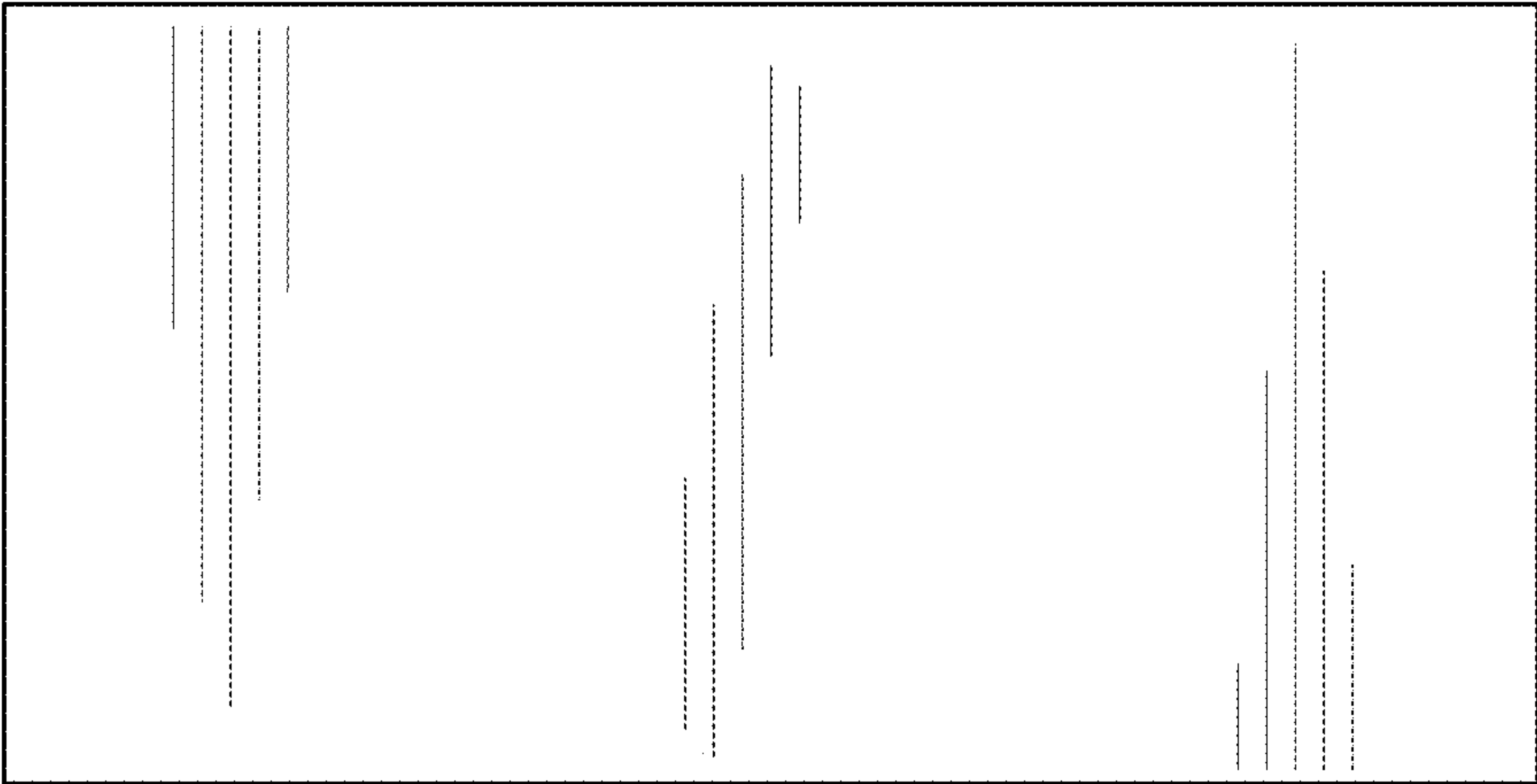
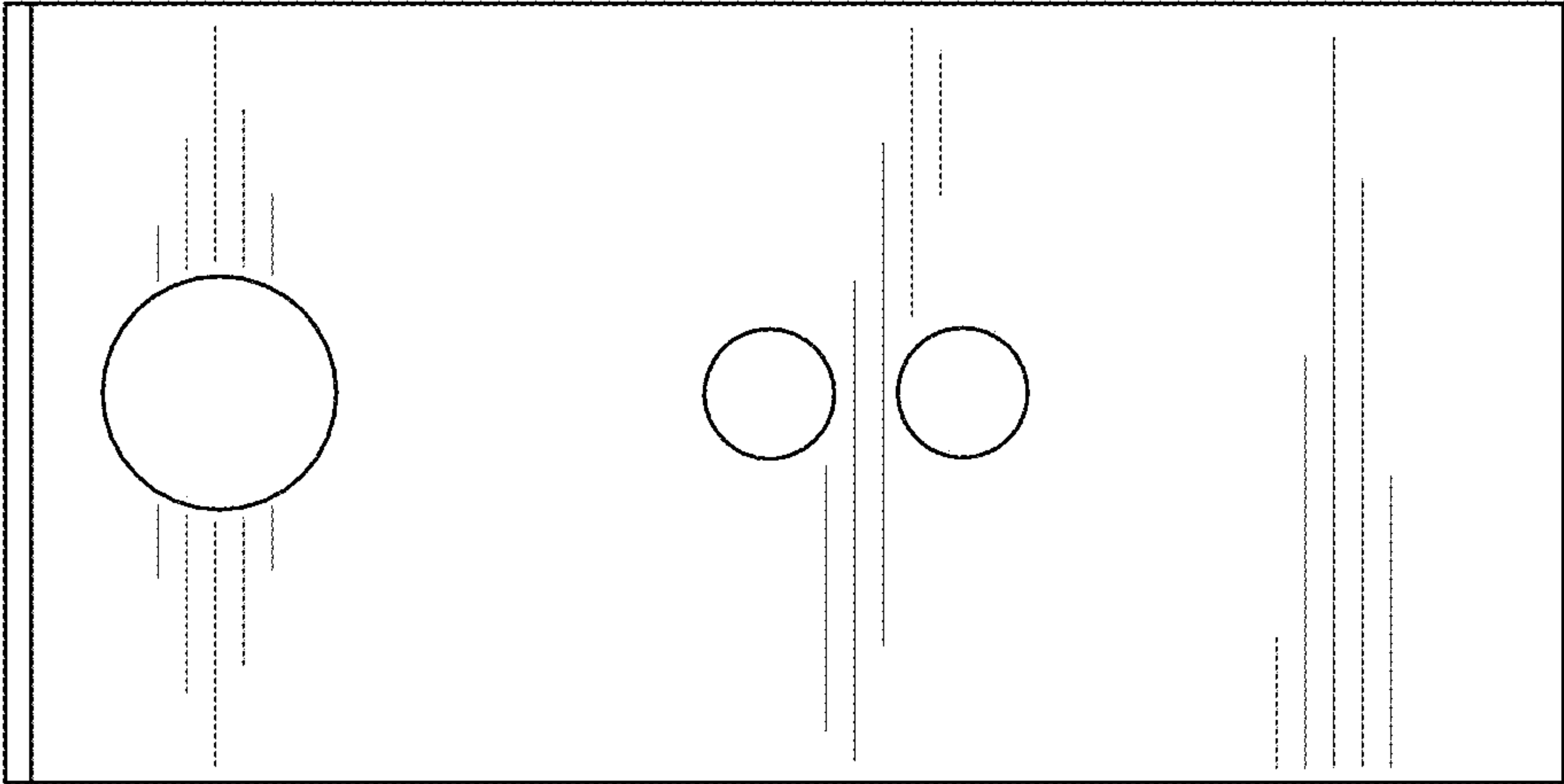


FIG. 13

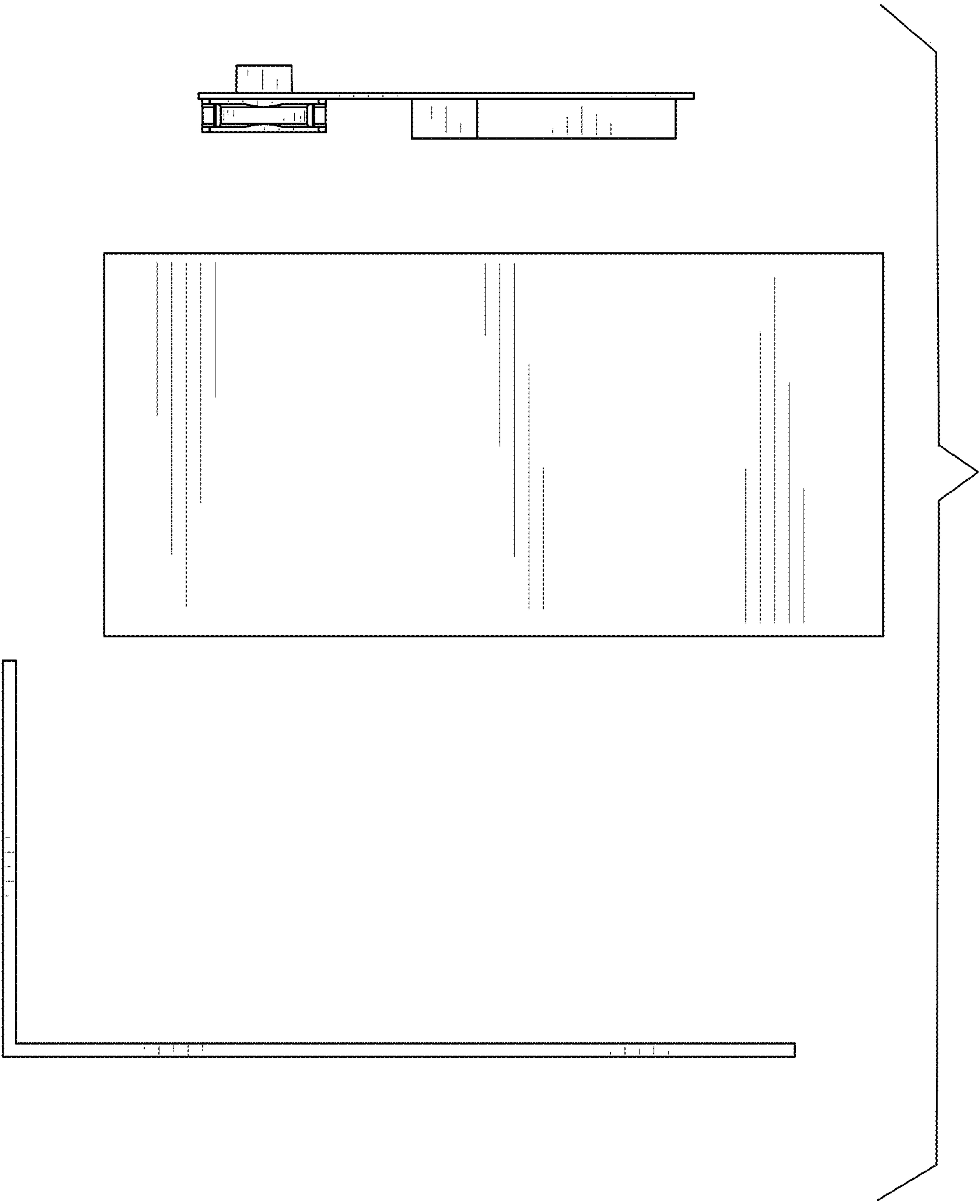


FIG. 14

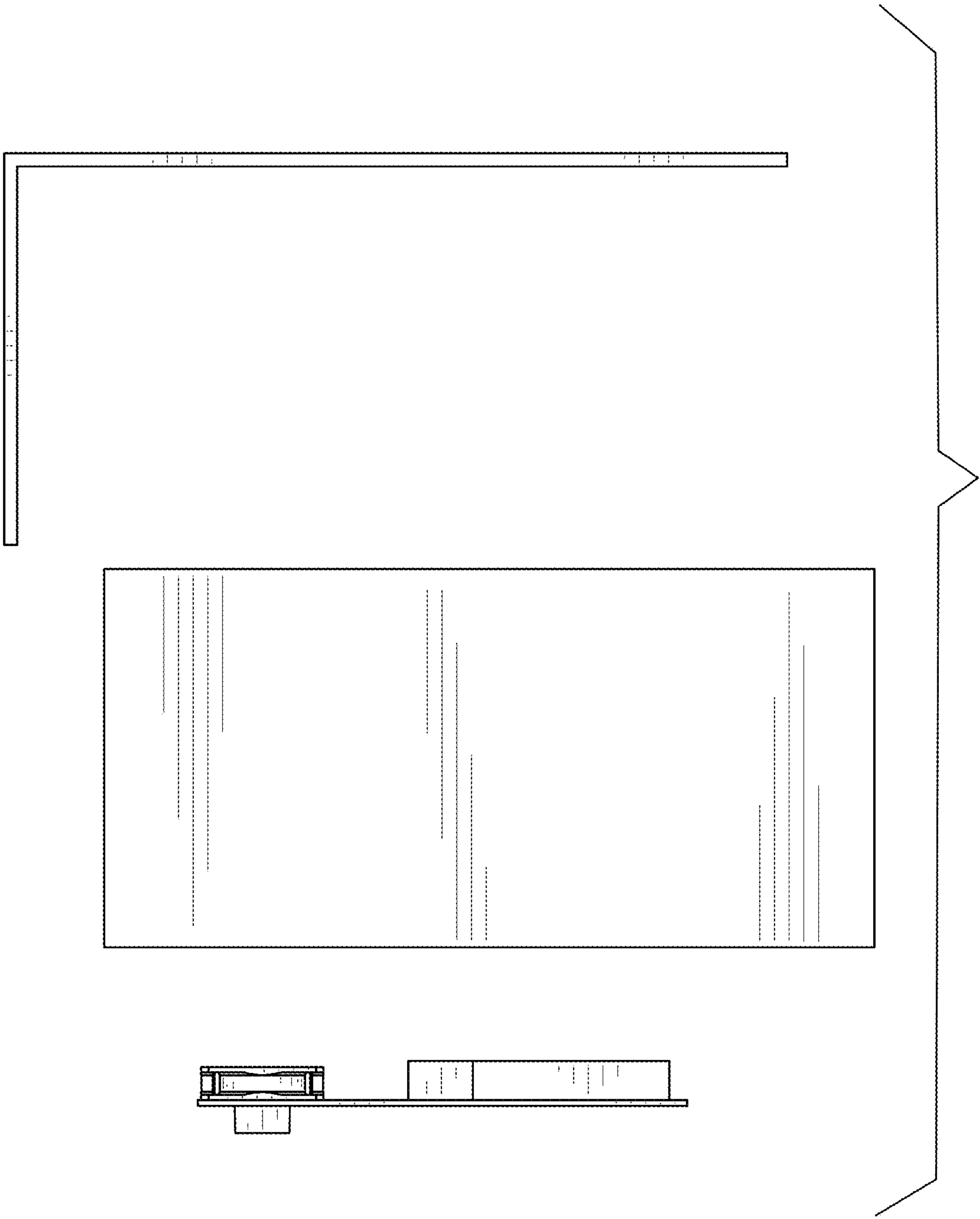
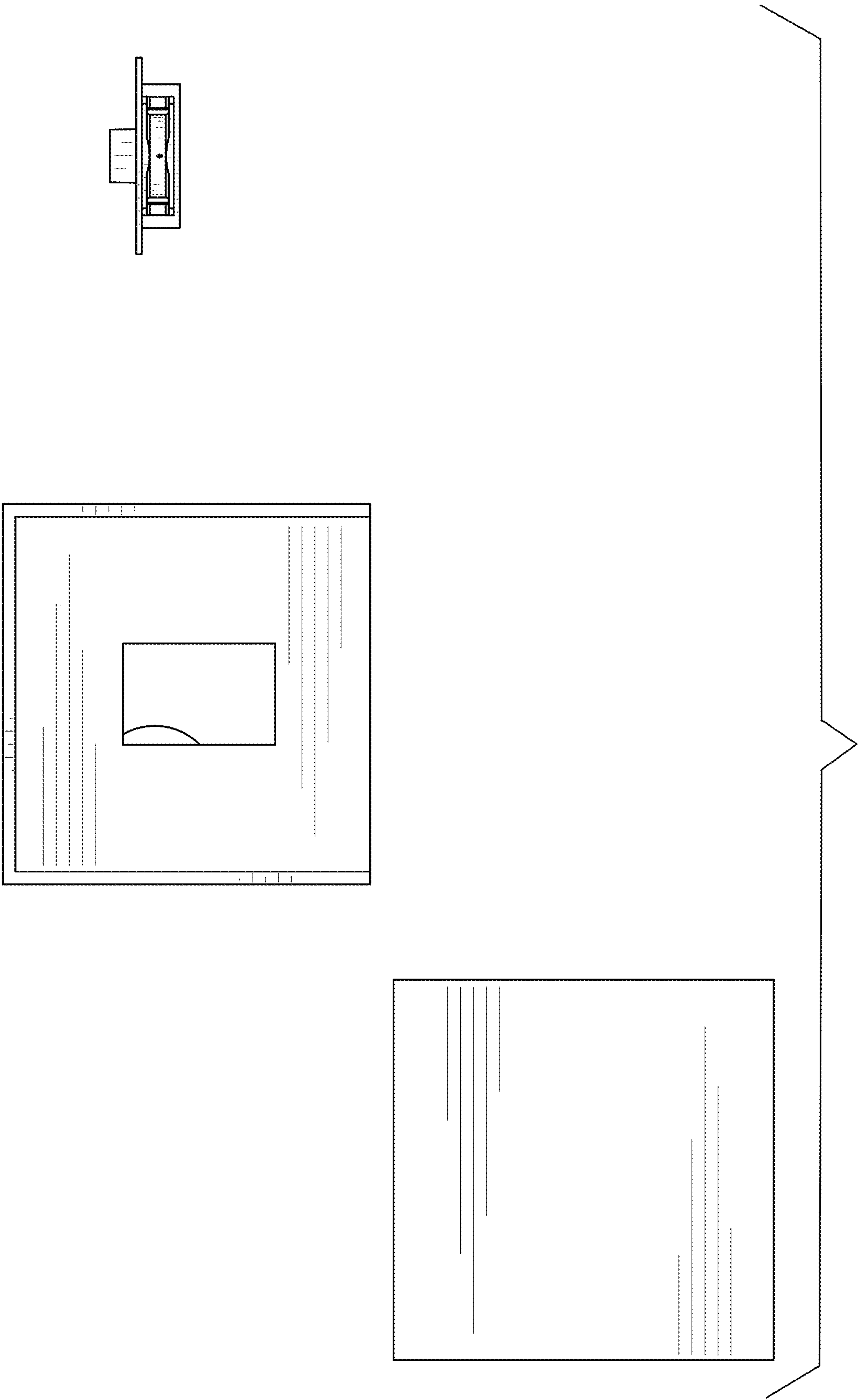


FIG. 15



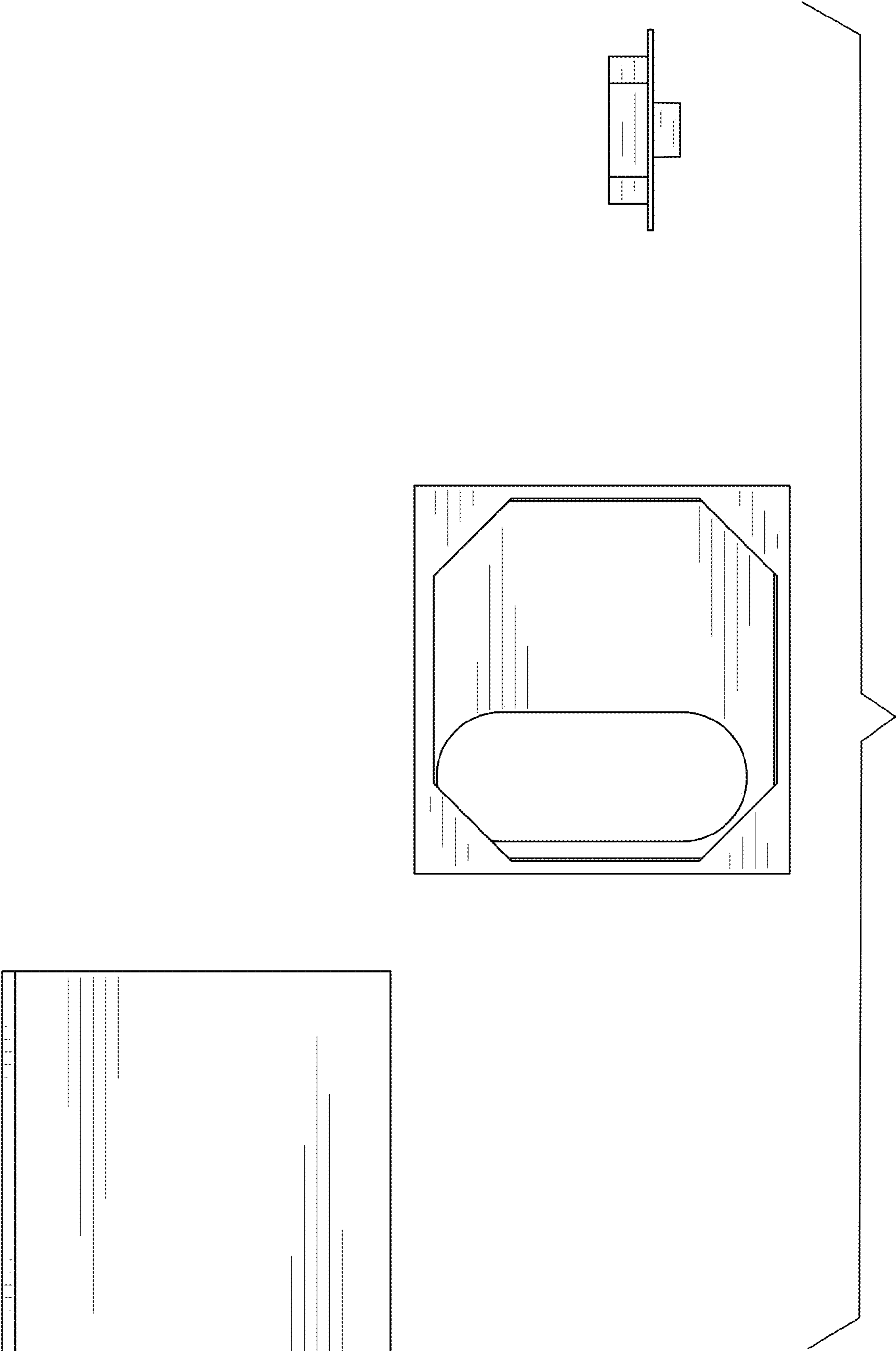


FIG. 17