



US00D329844S

United States Patent [19]

[11] Patent Number: **Des. 329,844**

Ishida

[45] Date of Patent: **** Sep. 29, 1992**

[54] INPUT/OUTPUT UNIT OF SEQUENCE CONTROLLER

| | | | |
|-----------|--------|-----------------------|-----------|
| 4,152,750 | 5/1979 | Bremenour et al. | 361/393 X |
| 4,672,511 | 6/1987 | Meusel et al. | 361/380 |
| 4,920,453 | 4/1990 | Onose et al. | 361/394 X |

[75] Inventor: **Katsuhiro Ishida, Osaka, Japan**

OTHER PUBLICATIONS

[73] Assignee: **Sharp Corporation, Osaka, Japan**

Omron programmable controller on p. 2 of *Control Engineering*, 5-89.

[**] Term: **14 Years**

Primary Examiner—Wallace R. Burke

[21] Appl. No.: **490,974**

Assistant Examiner—Joel Sincavage

[22] Filed: **Mar. 8, 1990**

Attorney, Agent, or Firm—Flehr, Hohbach, Test, Albritton & Herbert

[30] Foreign Application Priority Data

Sep. 13, 1989 [JP] Japan 1-33566

[57] CLAIM

[52] U.S. Cl. **D13/162**

The ornamental design for an input/output unit of sequence controller, as shown and described.

[58] Field of Search D13/123, 162, 164; 361/380, 392, 393, 394, 395

DESCRIPTION

[56] References Cited

U.S. PATENT DOCUMENTS

| | | | |
|------------|---------|--------------------|---------|
| D. 281,493 | 11/1985 | Prager et al. | D13/162 |
| D. 292,394 | 10/1987 | Boucher | D13/162 |
| D. 296,432 | 6/1988 | Harris et al. | D13/162 |
| D. 309,446 | 7/1990 | Russell | D13/162 |
| D. 309,600 | 7/1990 | Backes | D13/162 |

FIG. 1 is a perspective view of an input/output unit of sequence controller showing the new design;

FIG. 2 is a front elevational view thereof;

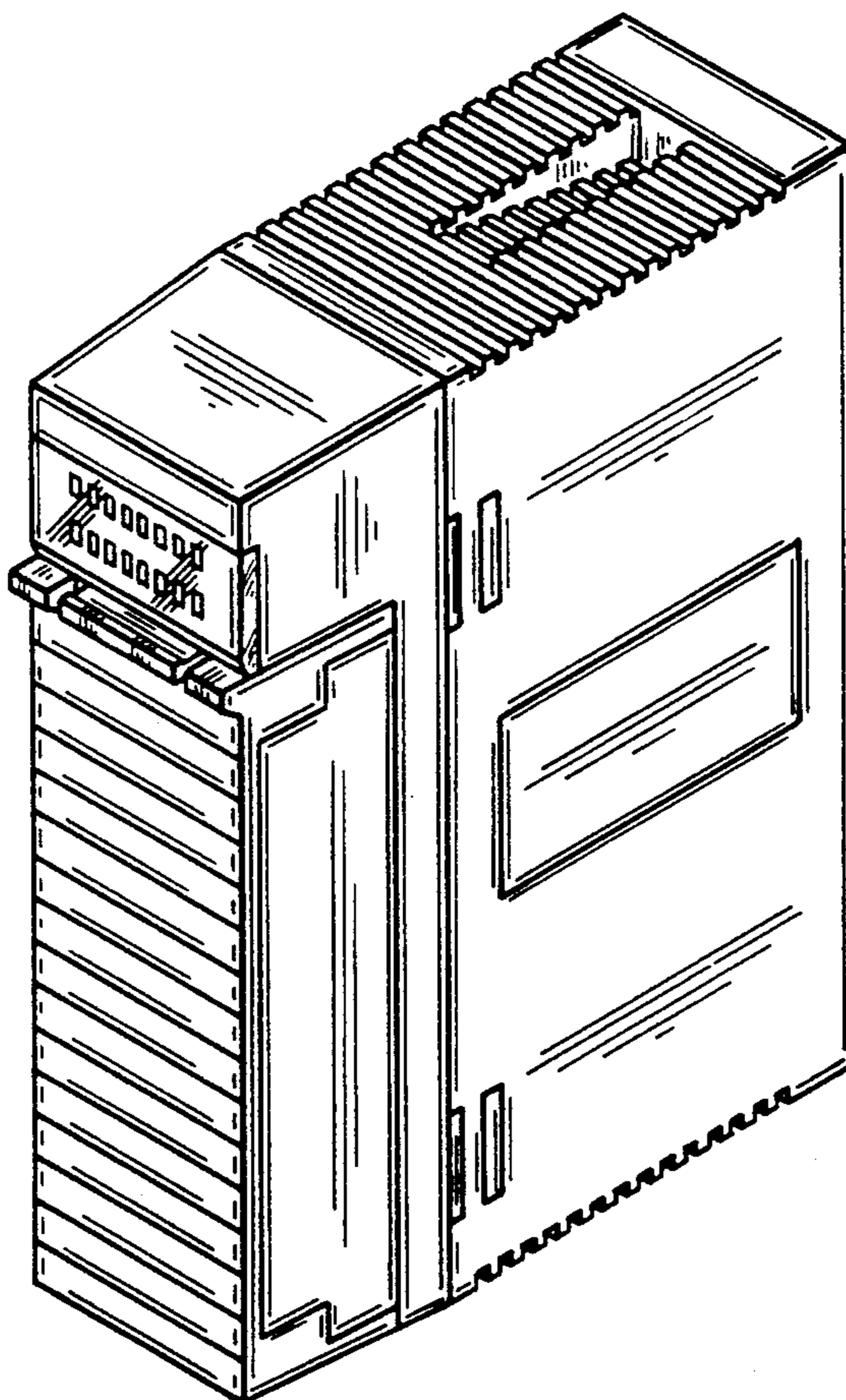
FIG. 3 is a rear elevational view thereof;

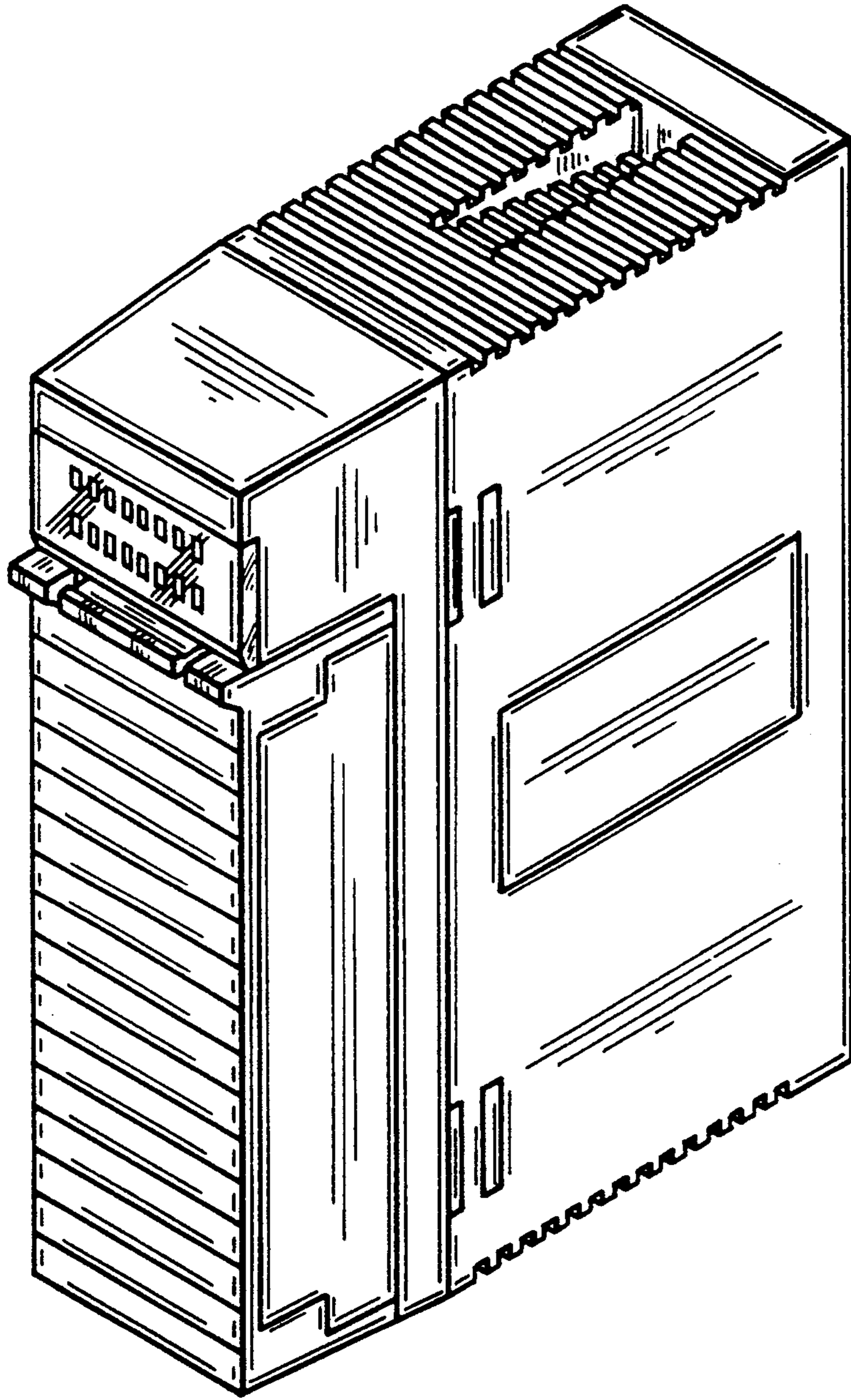
FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

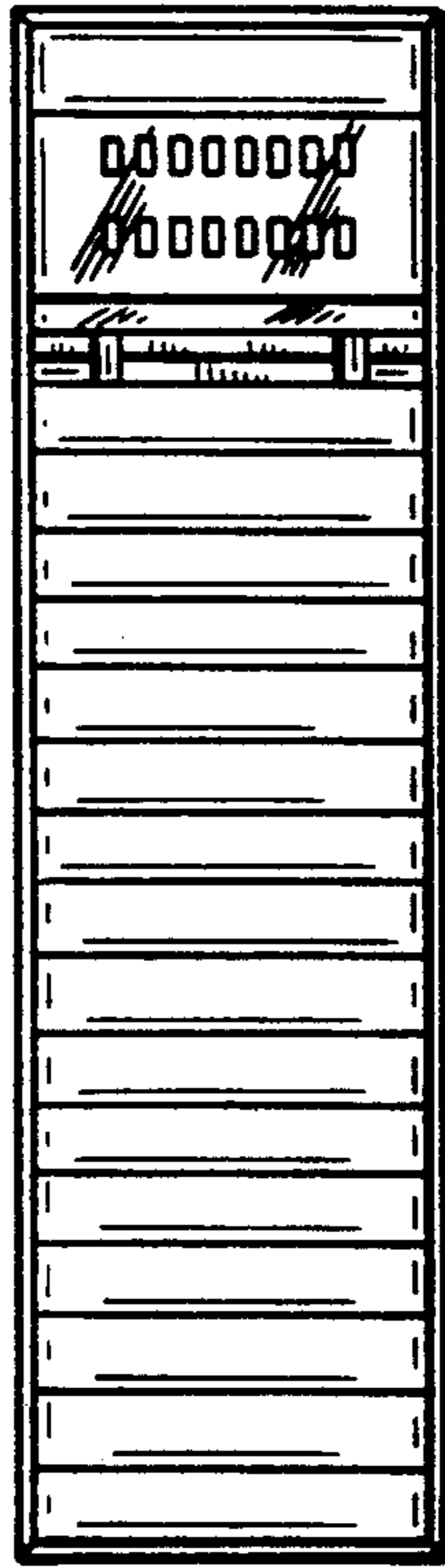
FIG. 6 is a right side elevational view thereof; and,

FIG. 7 is a left side elevational view thereof.

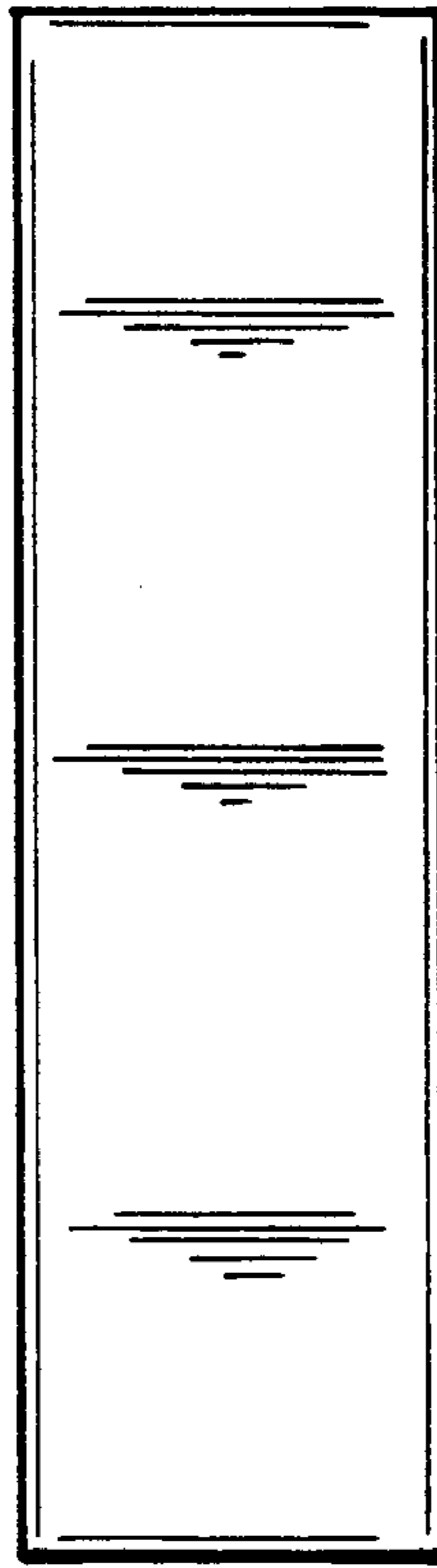




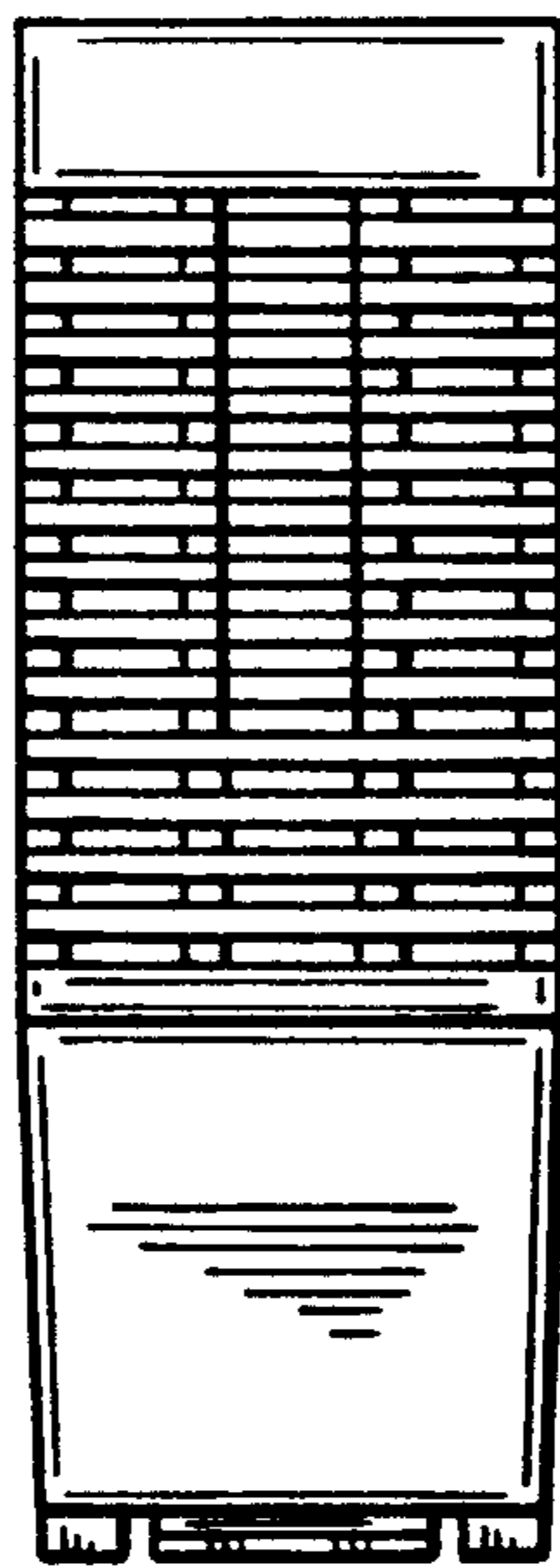
FIG_1



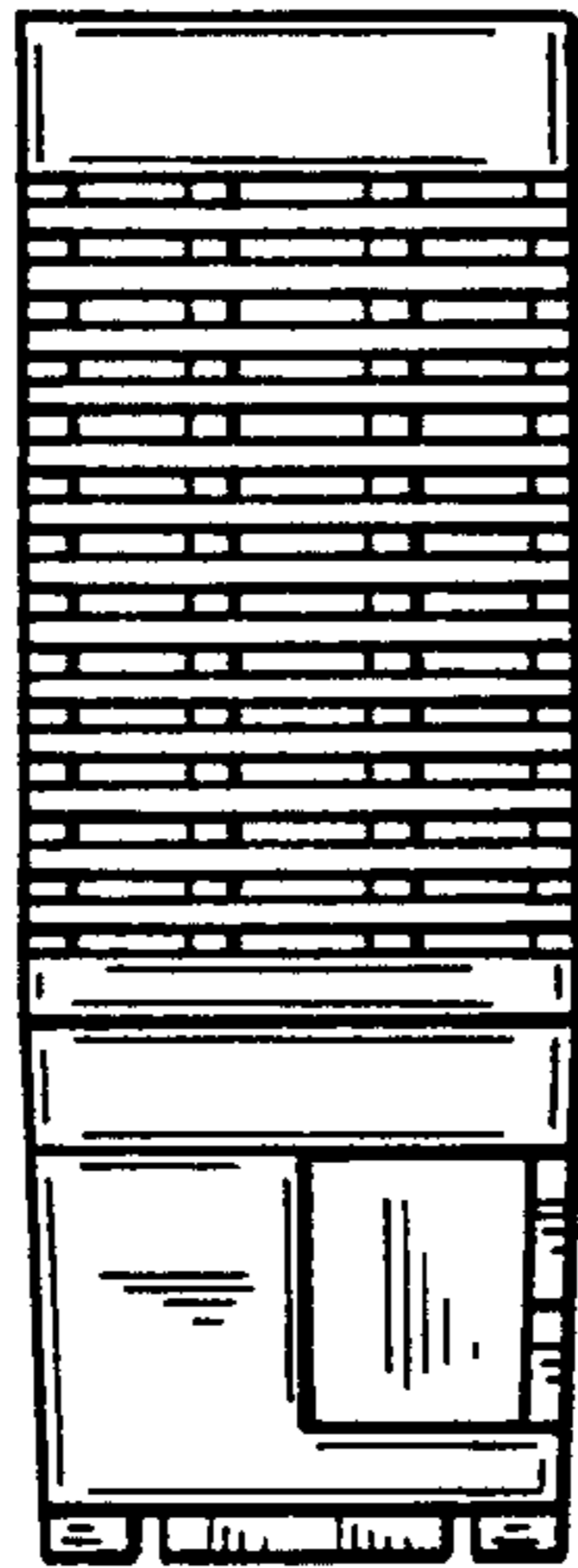
FIG_2



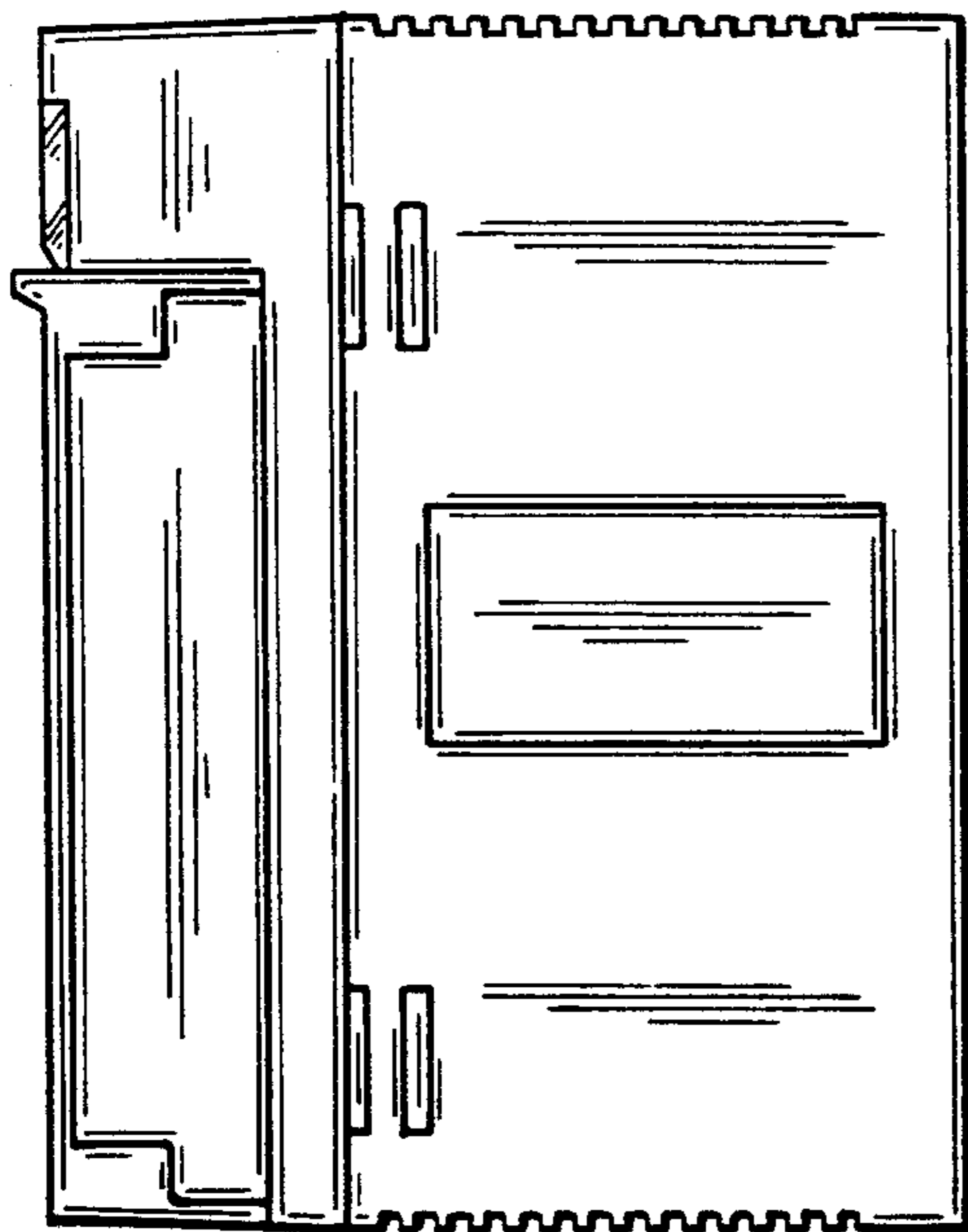
FIG_3



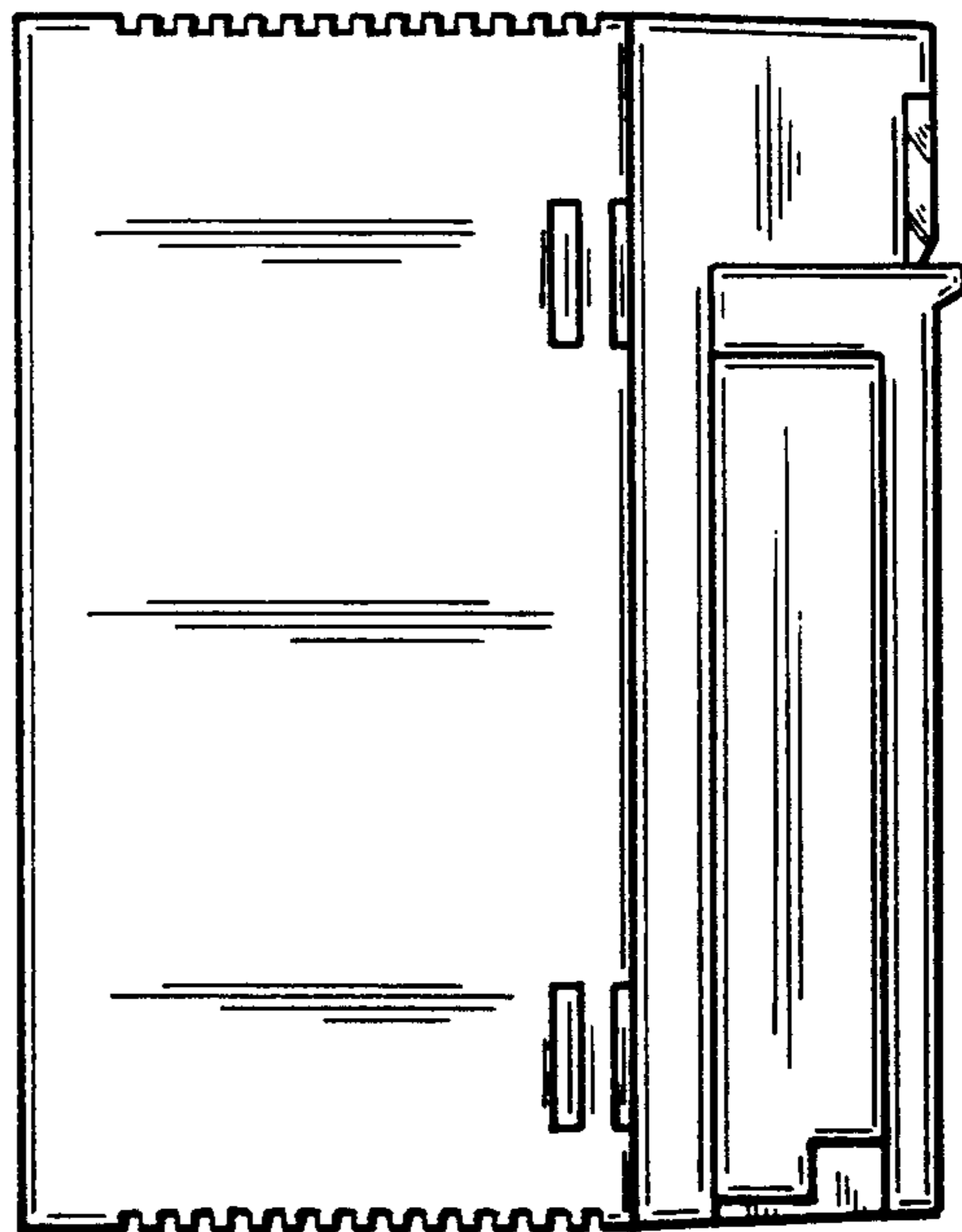
FIG_4



FIG_5



FIG_6



FIG_7