



US00D986763S

(12) **United States Design Patent**
Choi et al.

(10) **Patent No.:** **US D986,763 S**

(45) **Date of Patent:** **** May 23, 2023**

(54) **INDOOR PLANT CULTIVATOR**

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

(21) Appl. No.: **29/698,504**

(22) Filed: **Jul. 17, 2019**

(30) **Foreign Application Priority Data**

Jan. 18, 2019 (WO) WIPO79333

(51) **LOC (14) Cl.** **11-02**

(52) **U.S. Cl.**
USPC **D11/155**

(58) **Field of Classification Search**
USPC D11/155, 145, 154, 164; D7/553.1, D7/553.2, 553.3, 554.3; D6/405, 667.3, D6/678.2; D15/79, 81, 88, 89
CPC A01G 31/06; A01G 9/02; A01G 9/023
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D210,750 S * 4/1968 Paxton D11/155
- 3,458,951 A * 8/1969 Martin A01G 31/06
239/524
- 3,685,687 A * 8/1972 Eckdahl A47G 23/06
D7/553.3
- D272,726 S * 2/1984 Kaneko D11/155
- D279,084 S * 6/1985 Kaneko D11/155
- D309,122 S * 7/1990 Biemolt D15/144.1
- D354,197 S * 1/1995 Fish D7/553.3

- D666,122 S * 8/2012 Colless D11/143
- D860,854 S * 9/2019 Mehmetalioglu D11/145
- D901,327 S * 11/2020 Choi D11/155

(Continued)

FOREIGN PATENT DOCUMENTS

- WO D209746-005 * 12/2021
- WO D209746-006 * 12/2021

OTHER PUBLICATIONS

Korea JoongAng Daily, LG Electronics introduces the tiin, a plant-growing appliance, Publication date Oct. 14, 2021, [site visited Aug. 26, 2022], Available on the Internet URL <https://koreajoongangdaily.joins.com/2021/10/14/business/industry/lgelectronics-plant/20211014150635349.html> (Year: 2021).*

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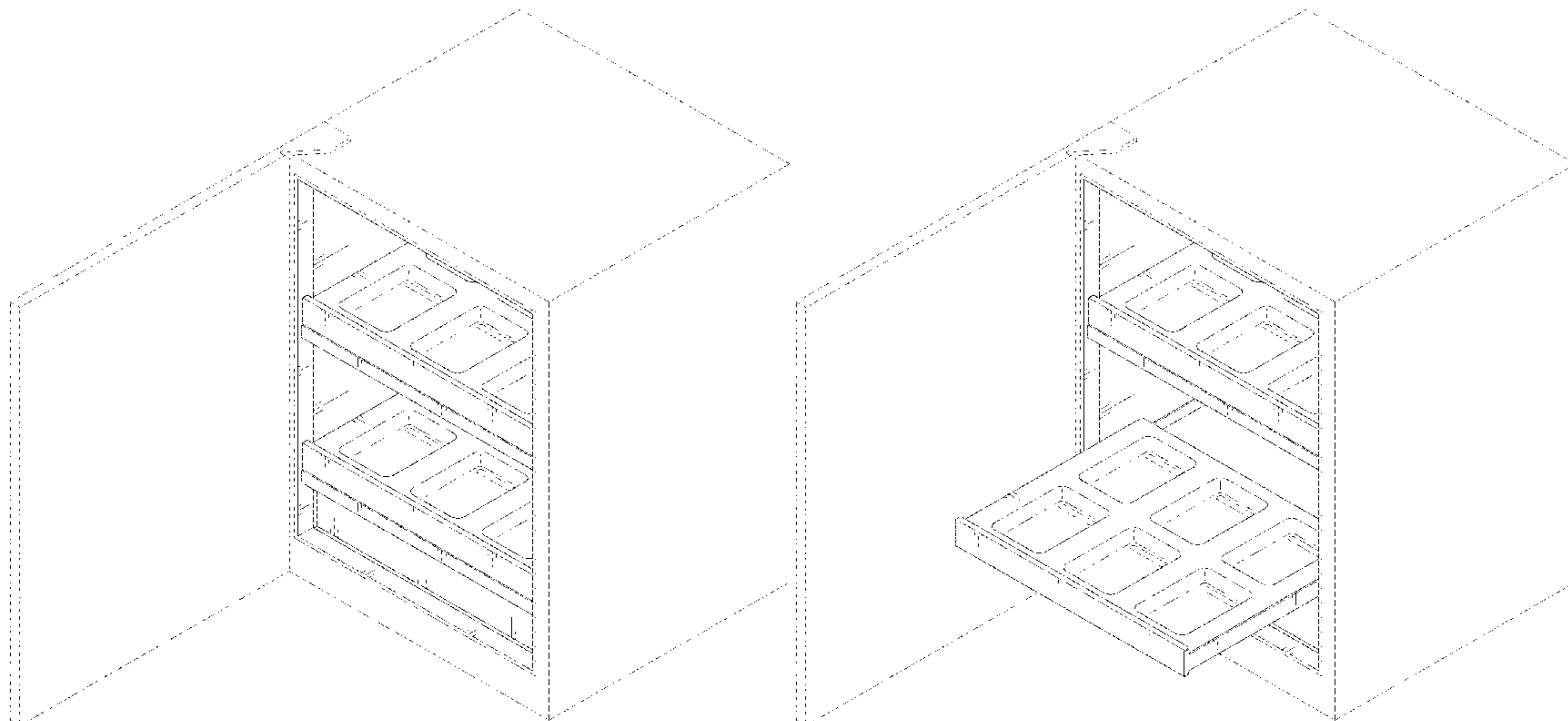
(57) **CLAIM**

The ornamental design for an indoor plant cultivator, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of the indoor plant cultivator showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a back view thereof;
FIG. 4 is a left view thereof where the right view is a mirror image;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof; and,
FIG. 7 is a reference view showing the use state in which one of the shelves is slid forward.
The broken lines depict portions of the indoor plant cultivator that form no part of the claimed design. The dash-dot broken lines define the bounds of the claimed design and form no part thereof.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D906,876 S *	1/2021	Roecker	.....	A01G 31/06
				D11/155
D909,238 S *	2/2021	Choi	.....	D11/155
D909,239 S *	2/2021	Choi	.....	D11/155
D912,707 S *	3/2021	Choi	.....	D15/81
D913,344 S *	3/2021	Choi	.....	D15/79

* cited by examiner

FIG. 1

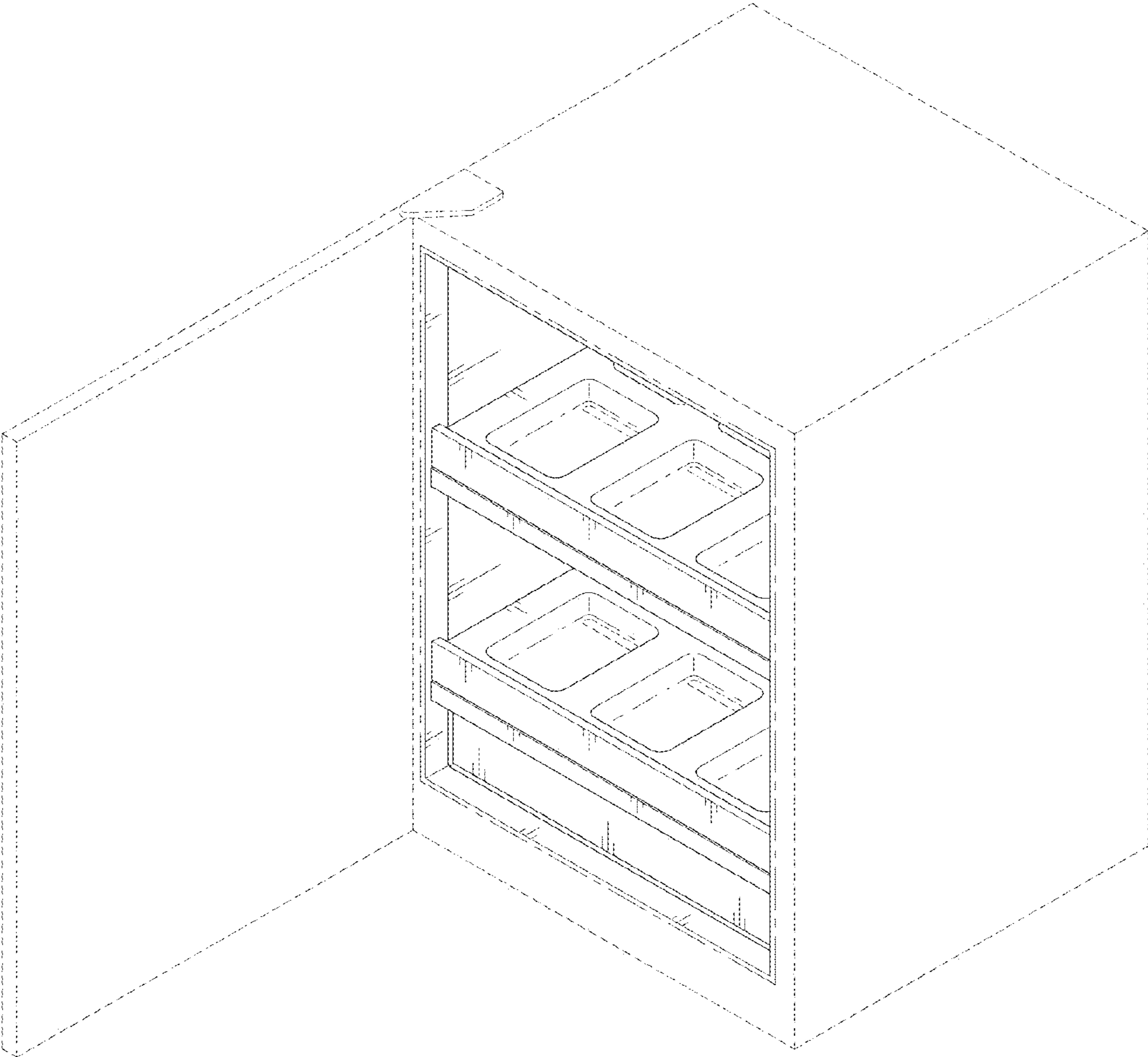


FIG. 2

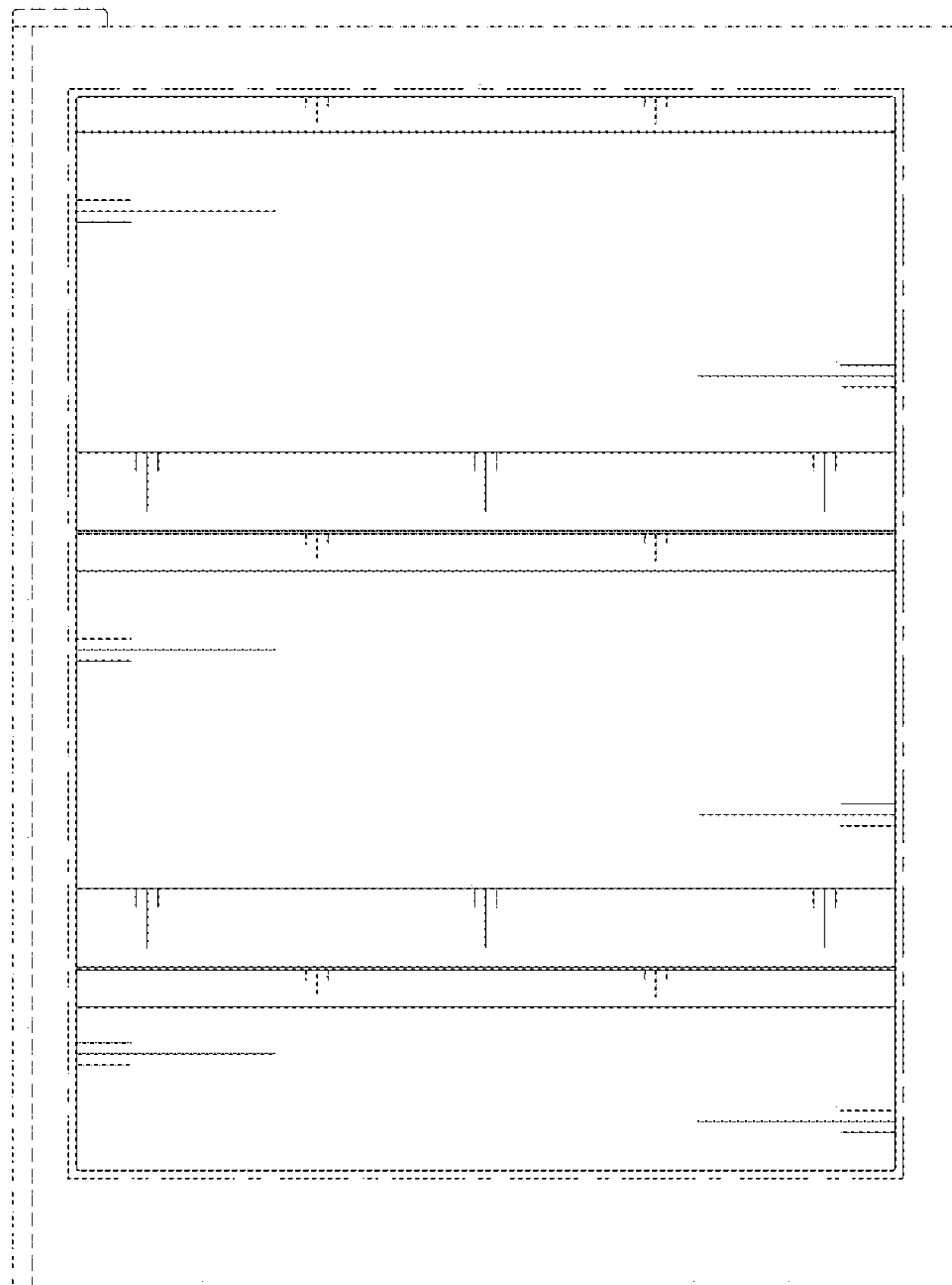


FIG. 3



FIG. 4



FIG. 5

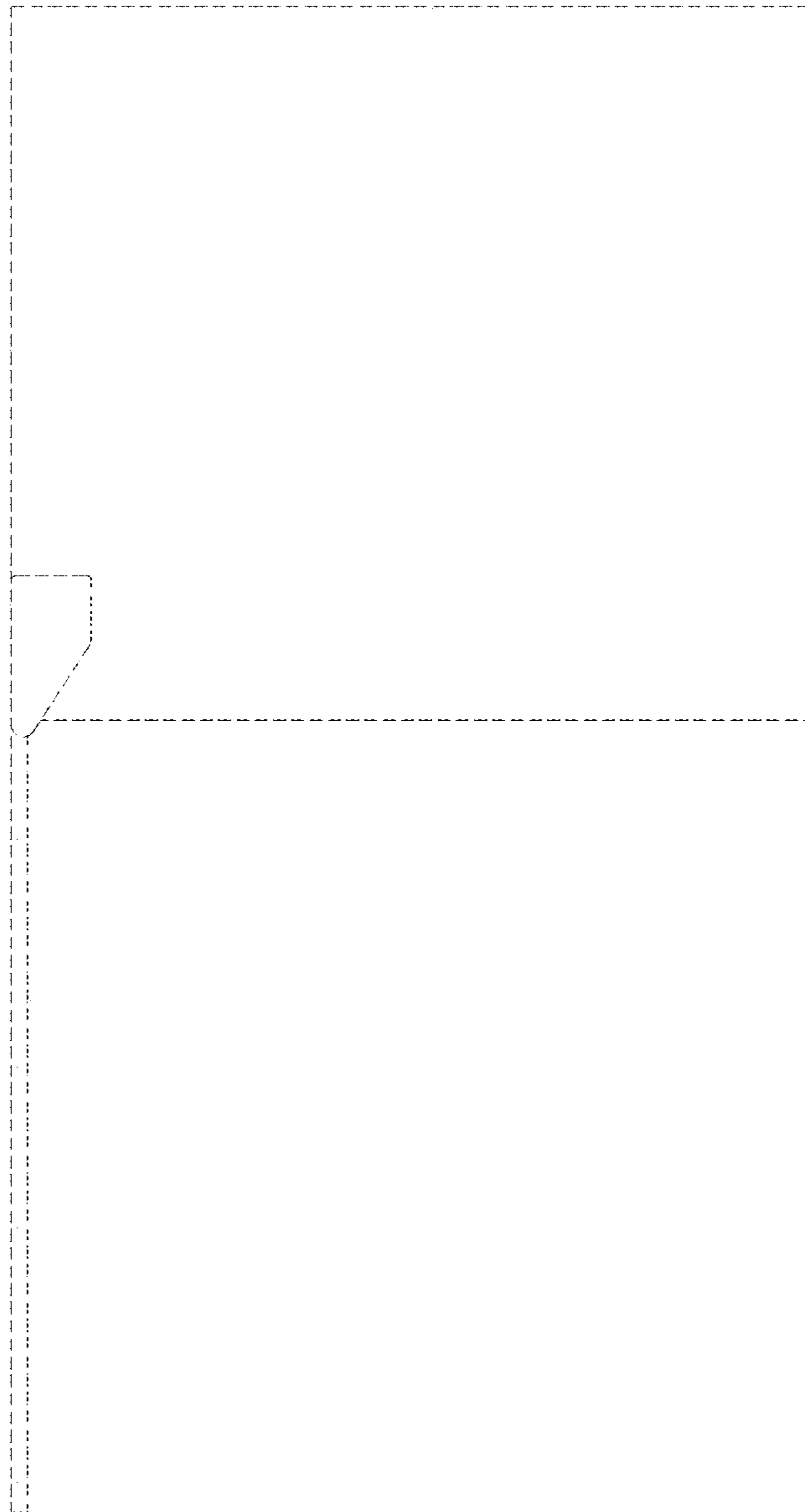


FIG. 6

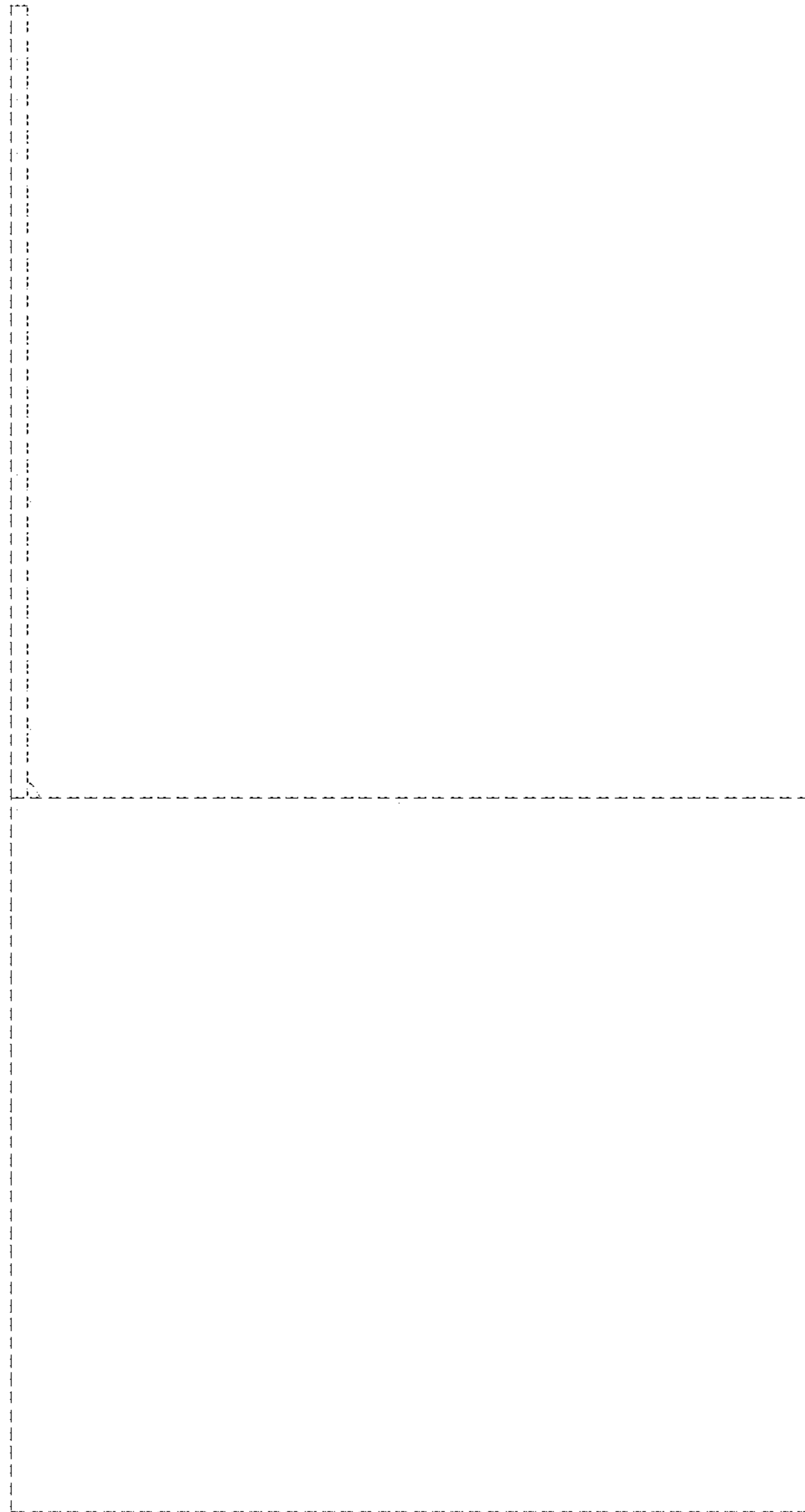


FIG. 7

