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

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(54) **INDOOR PLANT CULTIVATOR**

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(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 tiinun, 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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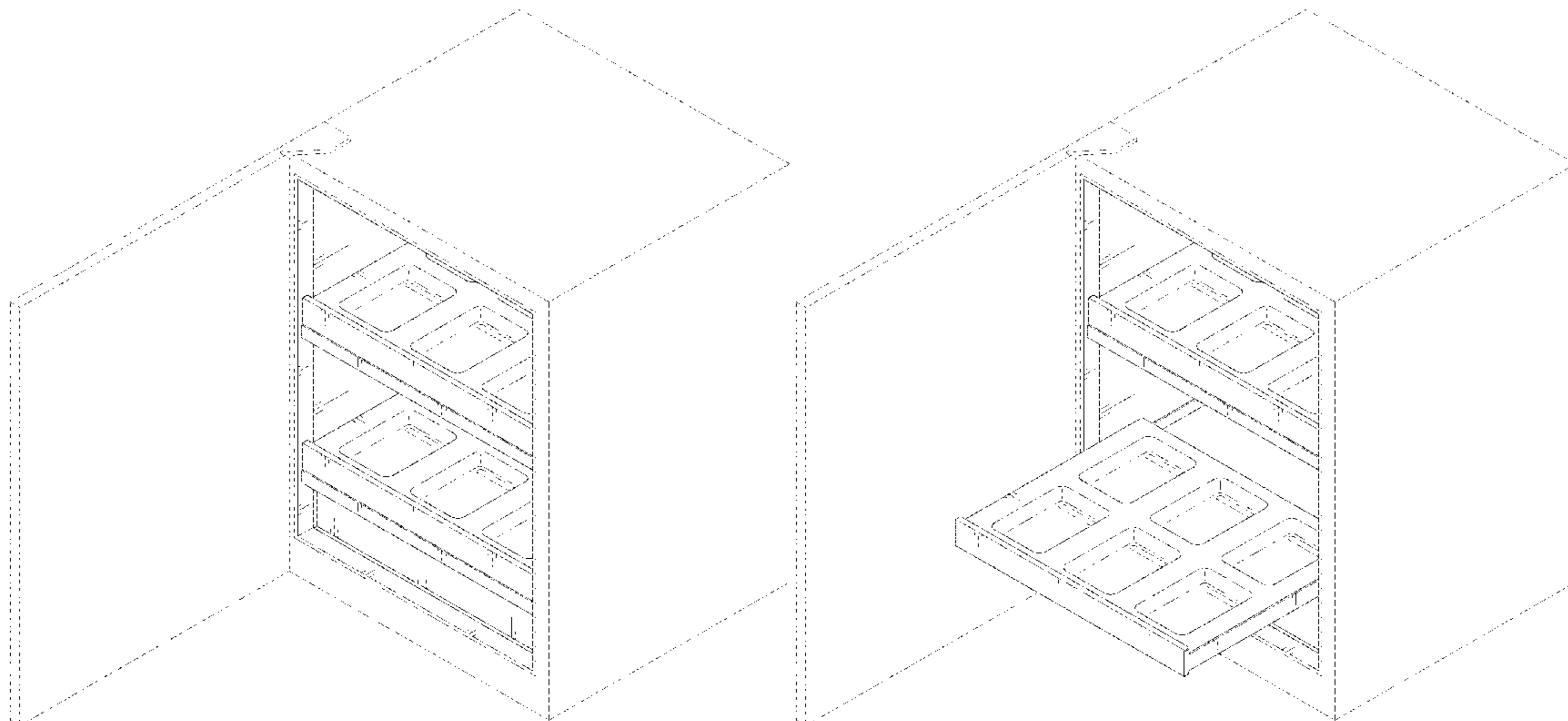
(57) **CLAIM**

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

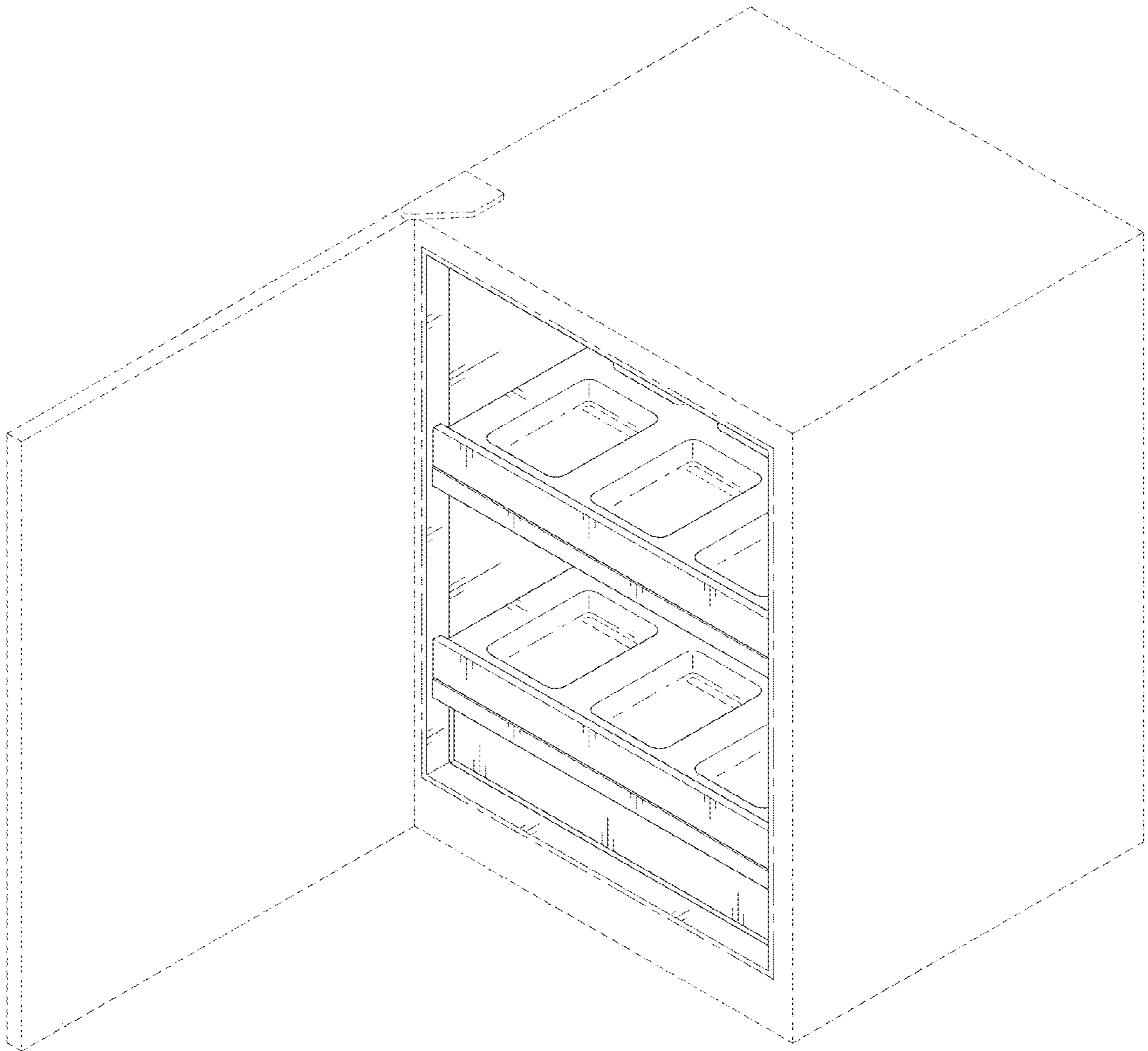


FIG. 2

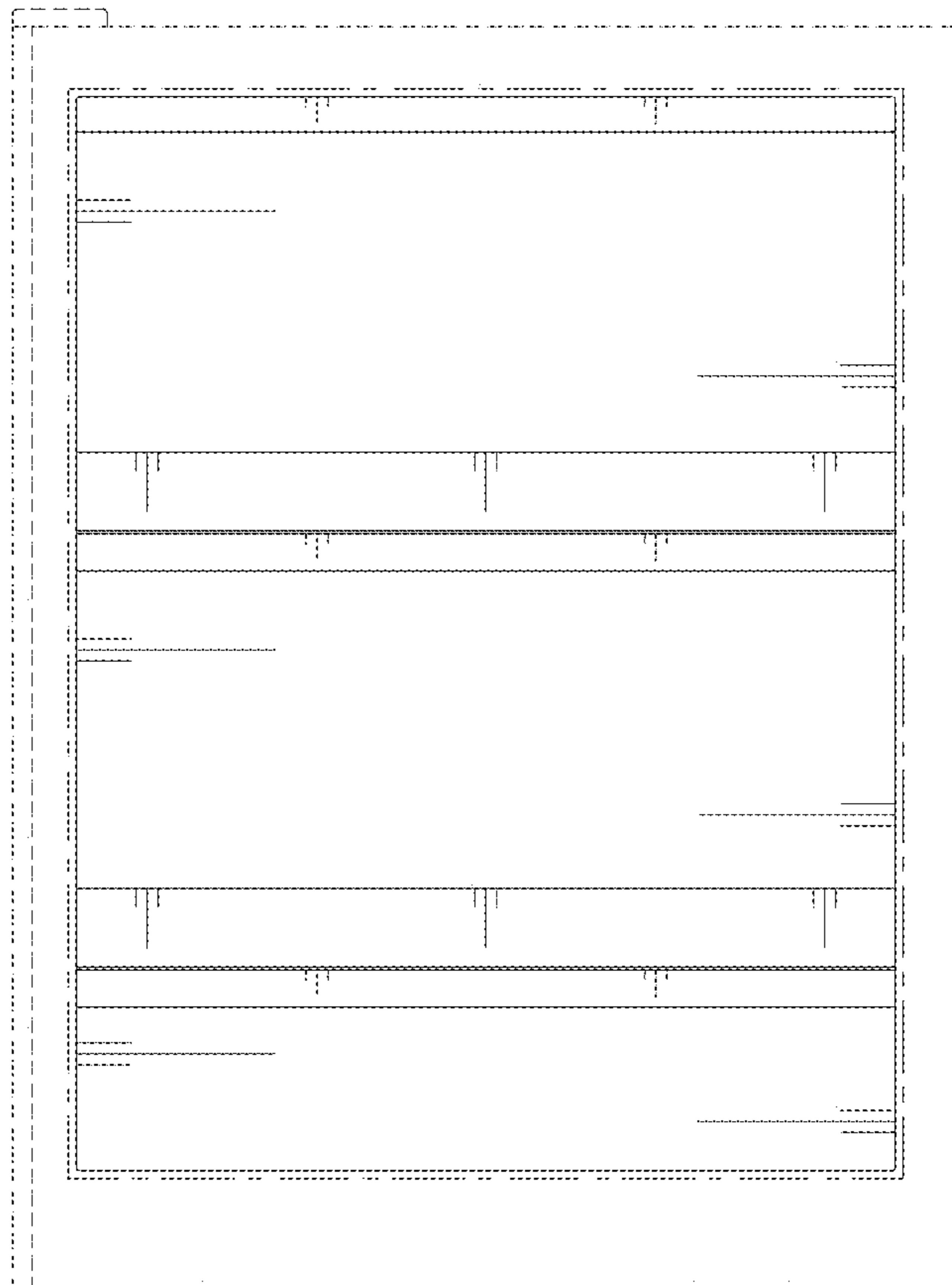


FIG. 3



FIG. 4

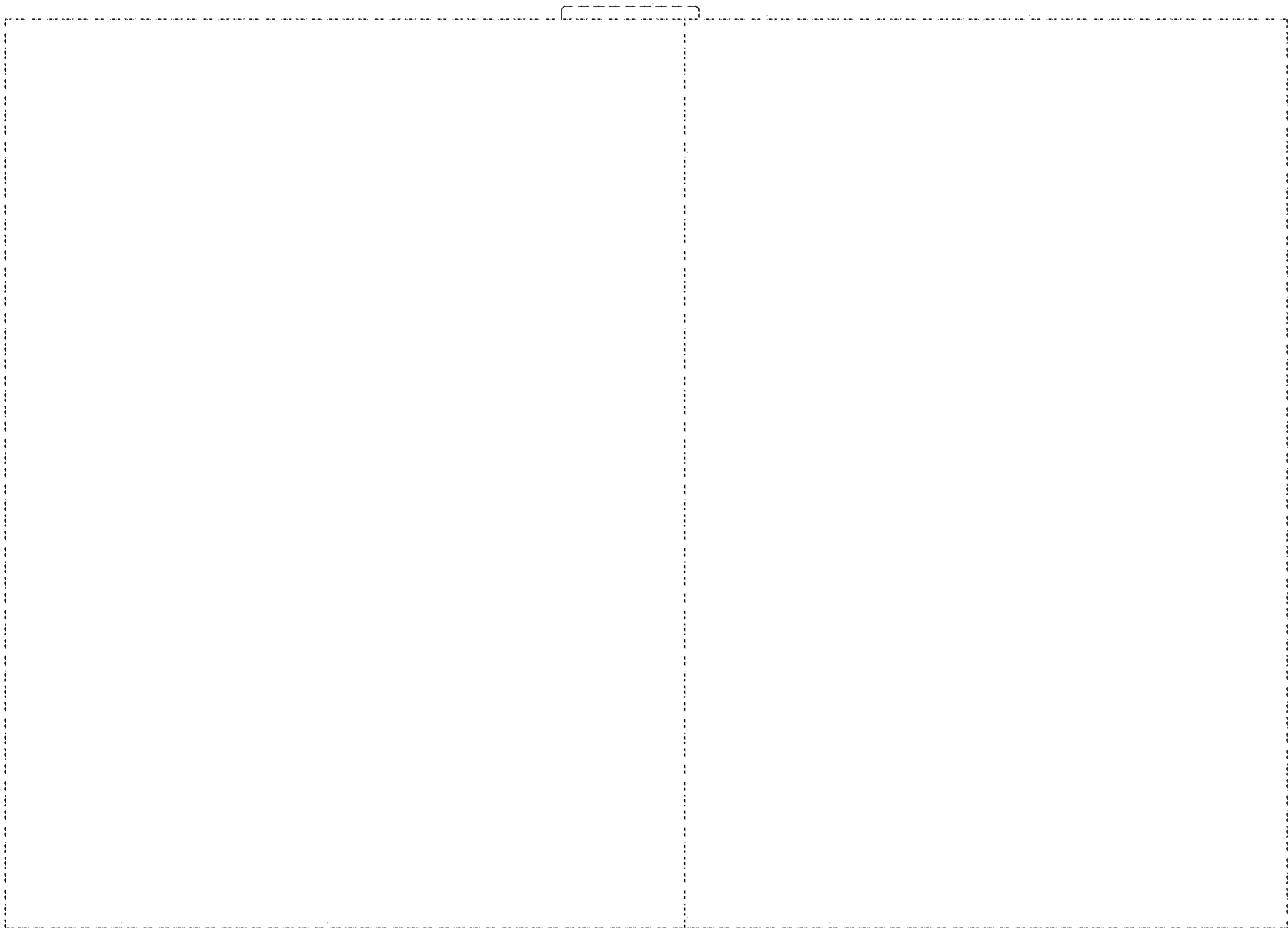


FIG. 5

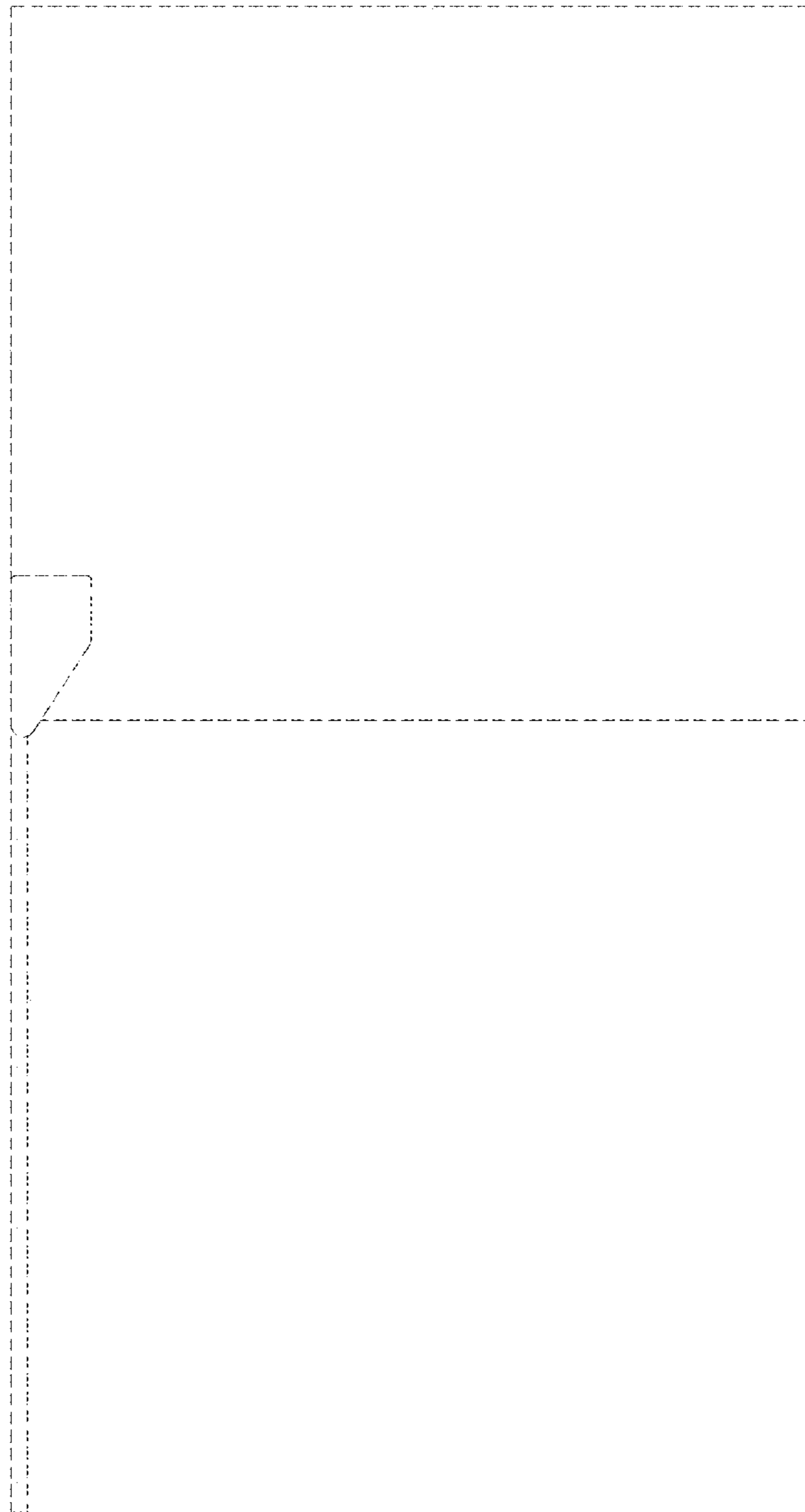


FIG. 6

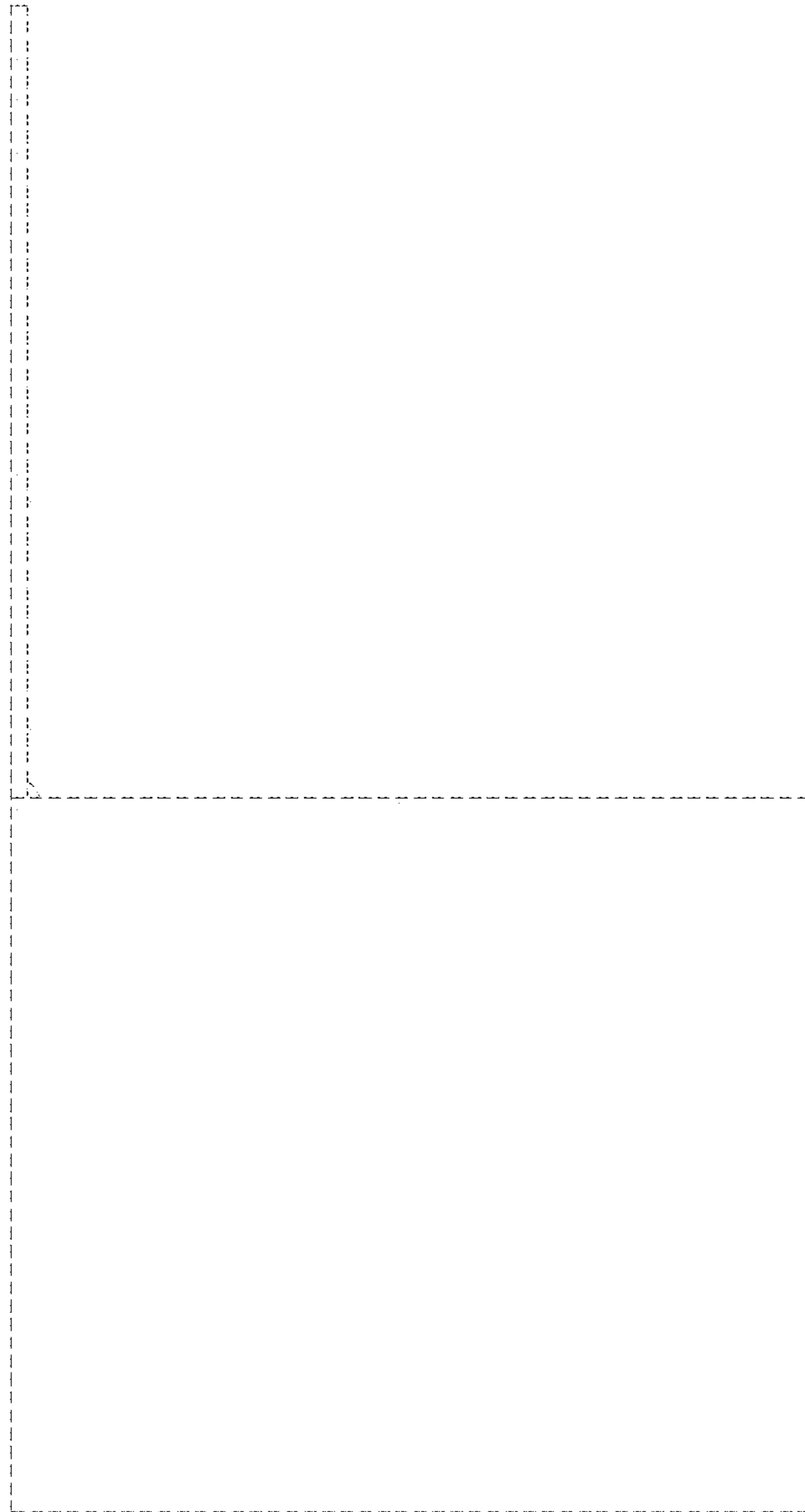




FIG. 7

