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(12) **United States Design Patent** (10) **Patent No.:** **US D855,091 S**
Abe et al. (45) **Date of Patent:** **** Jul. 30, 2019**

(54) **CUTTING TOOL**

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

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(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/139**

(58) **Field of Classification Search**
USPC 8/20, 70; 15/123, 124, 126, 131, 138,
15/139

CPC B23B 27/14; B23B 27/22; B23B 27/045;
B23B 27/141; B23B 27/143; B23B
2200/321; B29B 9/06; B29C 47/0066

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,548,473 A	12/1970	Stein	
3,654,681 A	4/1972	Stein	
D399,400 S	10/1998	Weber	
D444,486 S	7/2001	Biller	
D679,737 S *	4/2013	Soyama	D15/139
D712,942 S	9/2014	Zeiner et al.	
D772,316 S	11/2016	Friederichs	

D772,317 S	11/2016	Johnson et al.	
D807,934 S *	1/2018	Abe	D15/138
D831,084 S *	10/2018	Abe	B23D 37/005 D15/139

2015/0000481 A1 1/2015 Leiner et al.

OTHER PUBLICATIONS

Design U.S. Appl. No. 29/601,119, filed Apr. 19, 2017.
Design U.S. Appl. No. 29/561,724, filed Apr. 19, 2016.
Restriction Requirement in Design U.S. Appl. No. 29/561,724,
dated Oct. 4, 2017.

(Continued)

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(57) **CLAIM**

The ornamental design for a cutting tool, as shown and
described.

DESCRIPTION

FIG. 1 is a front view of a cutting tool showing our new
design;

FIG. 2 is a rear view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a first perspective view thereof;

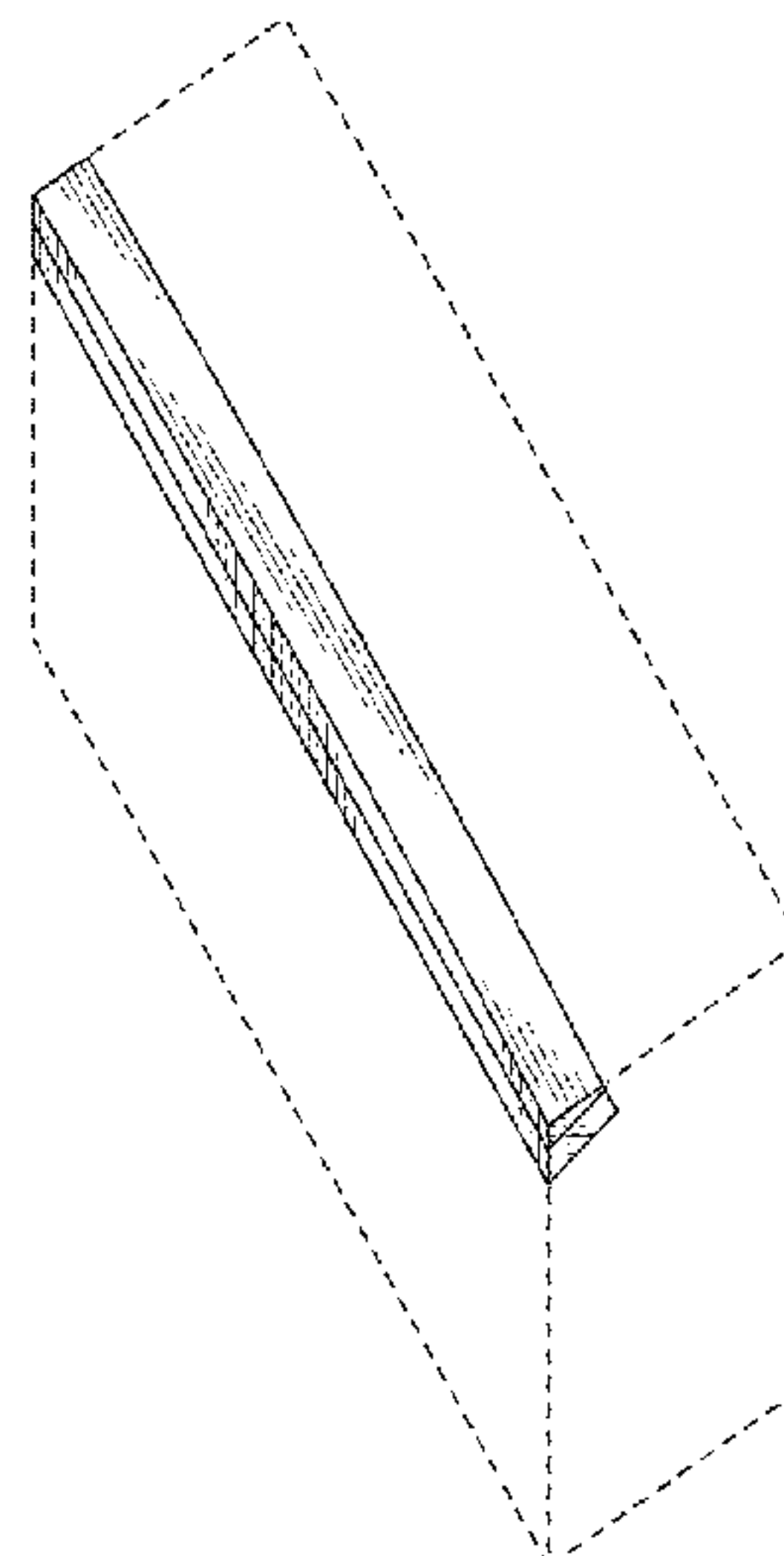
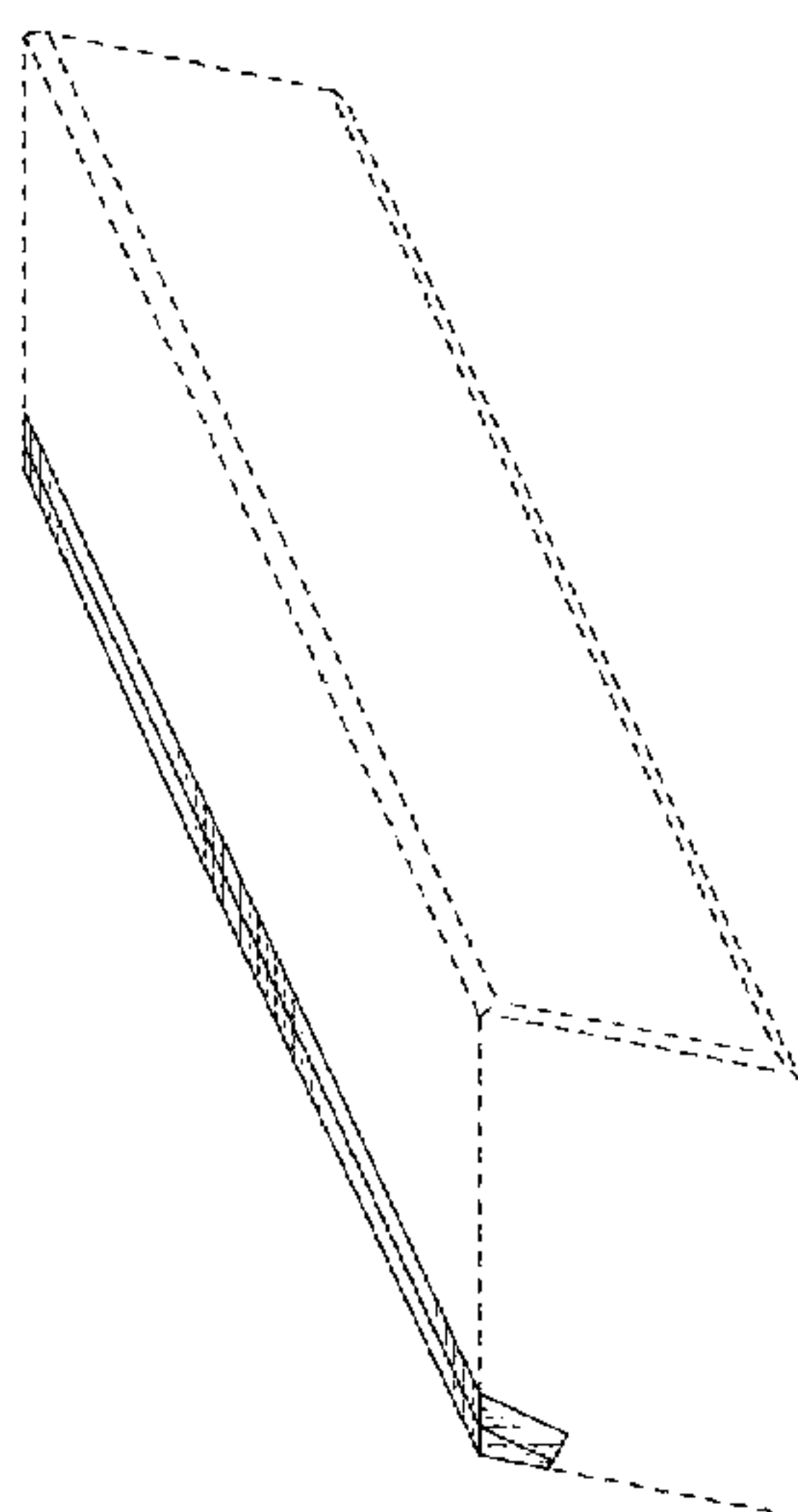
FIG. 8 is a second perspective view thereof;

FIG. 9 is a cross sectional view taken along line IX-IX of
FIG. 1; and,

FIG. 10 a referential view showing the state in which a
workpiece is machined with the cutting tool held in a pocket
of a holder.

The broken lines represent portions of the cutting tool that
form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

Notice of Allowance issued Jul. 17, 2018 in Design U.S. Appl. No.
29/561,724.

Notice of Allowance issued Jun. 6, 2018 in Design U.S. Appl. No.
29/601,119.

* cited by examiner

FIG.1

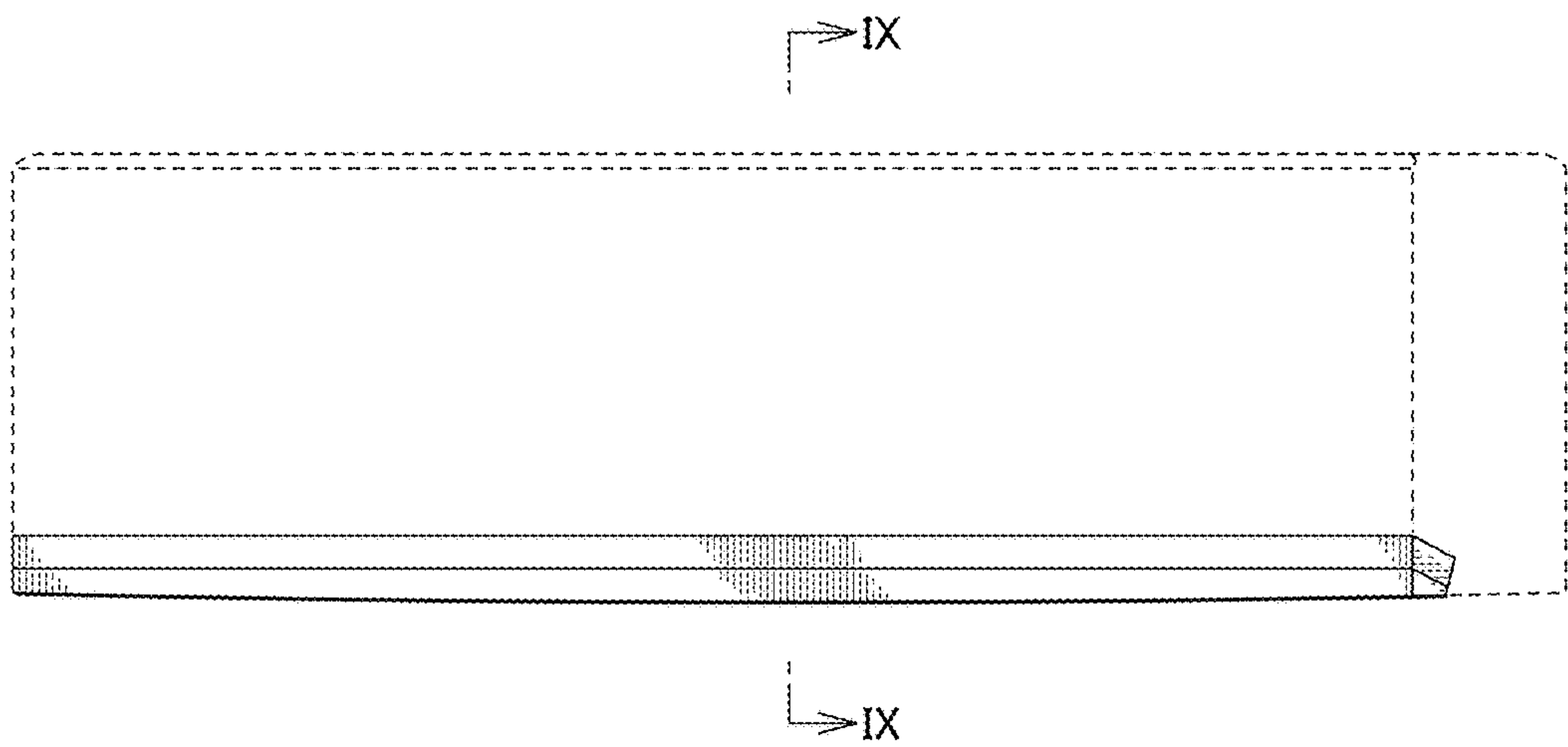


FIG.2

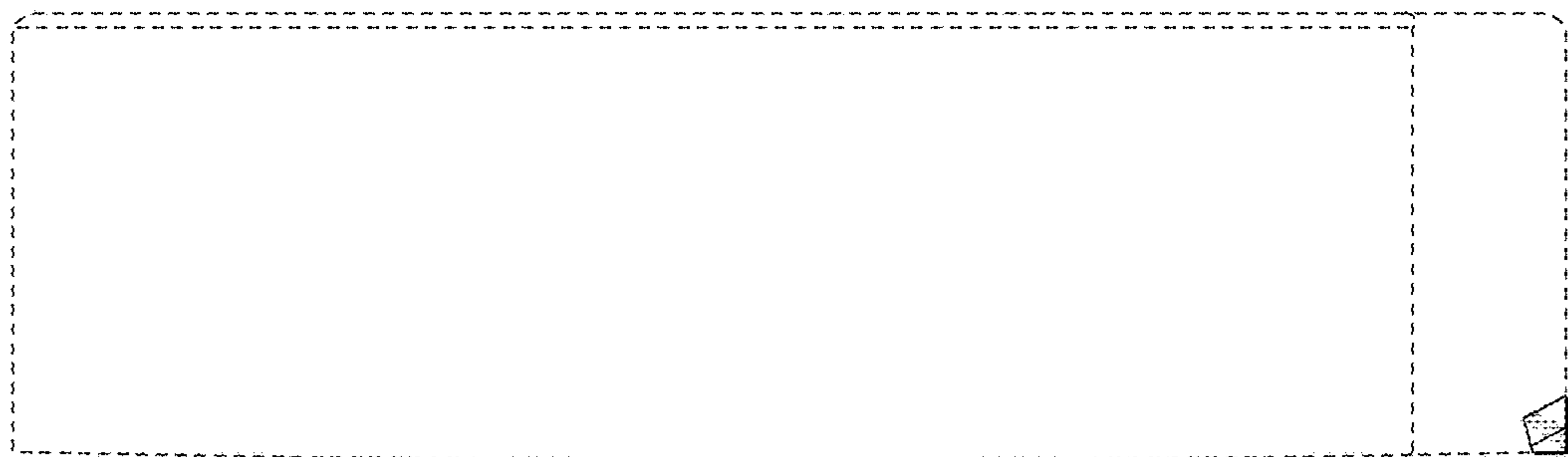


FIG.3



FIG.4

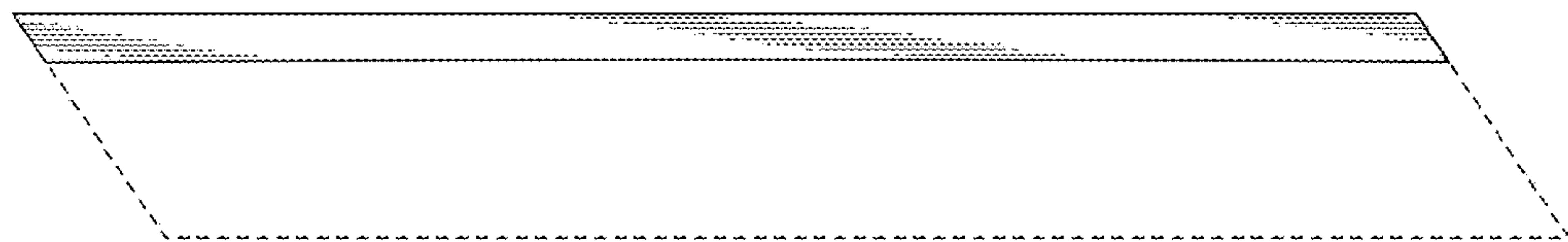


FIG.5

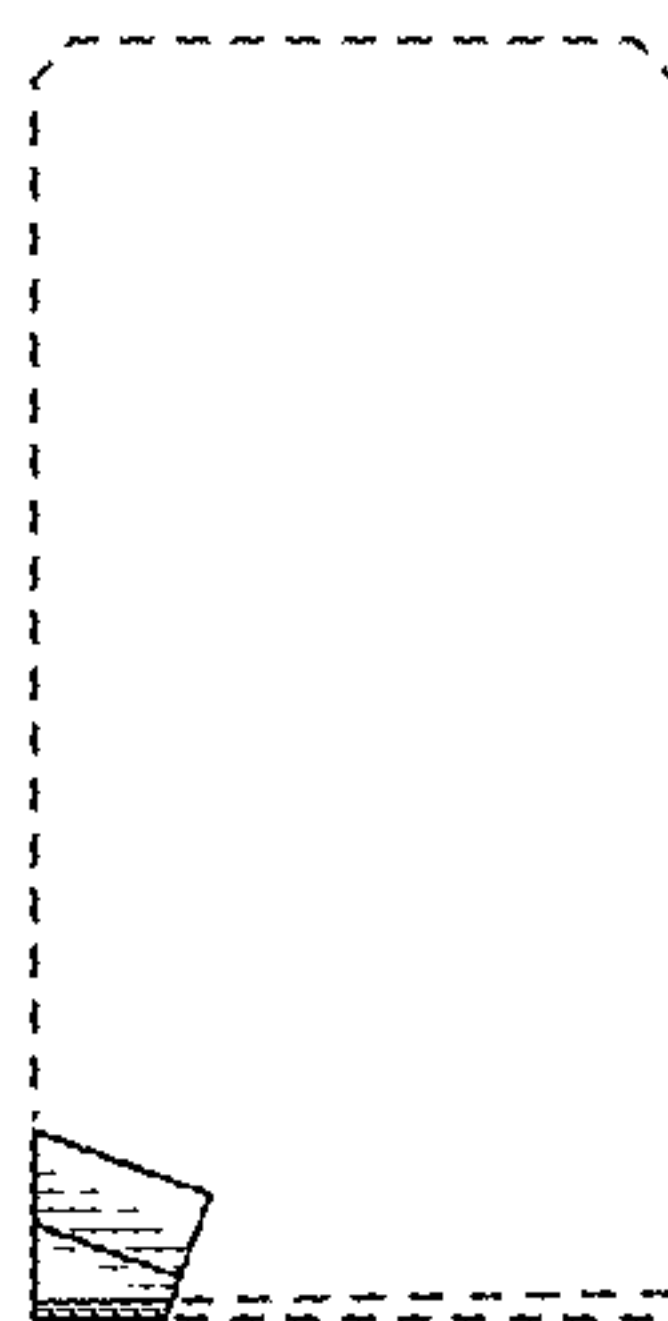


FIG.6

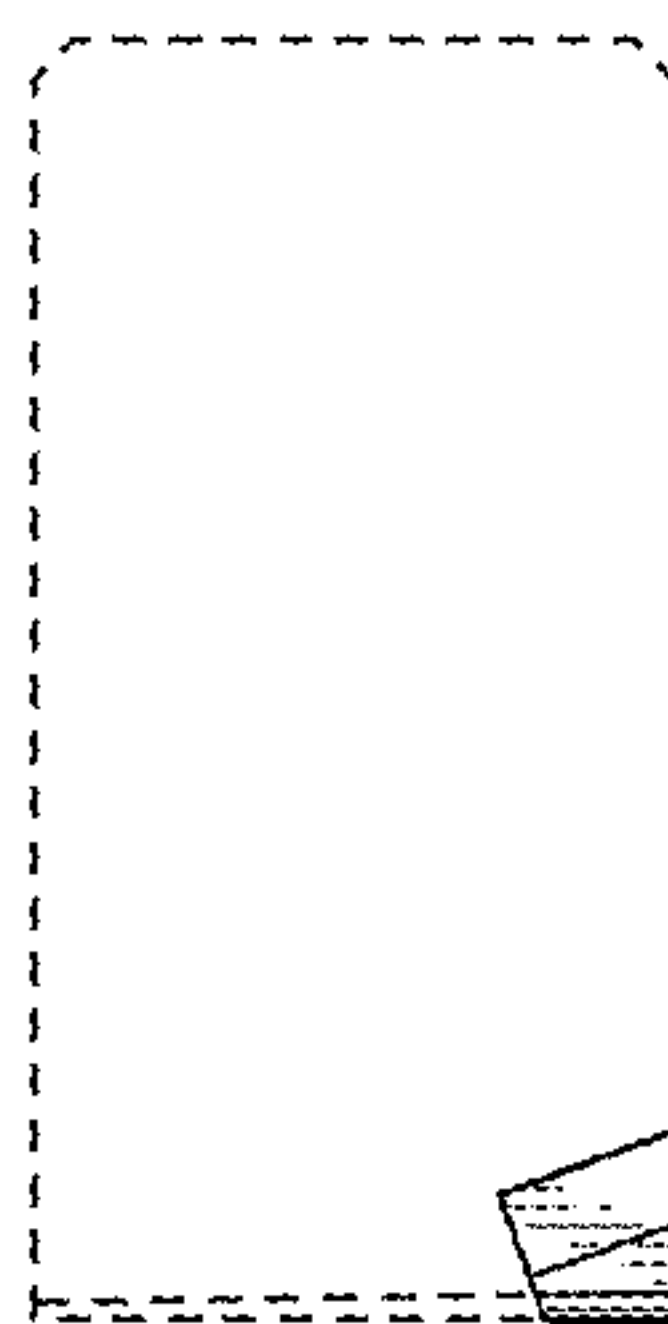


FIG.7

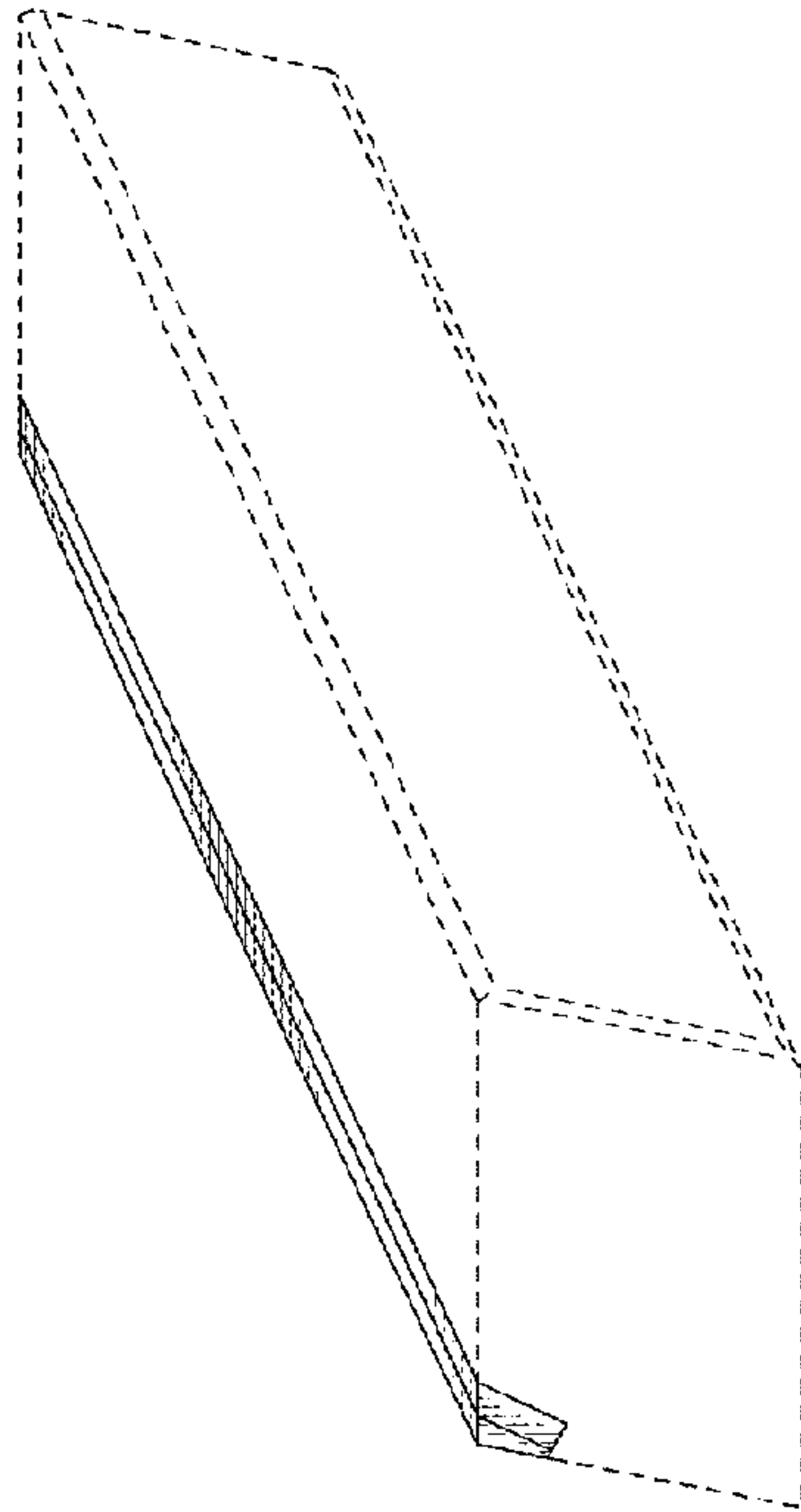


FIG.8

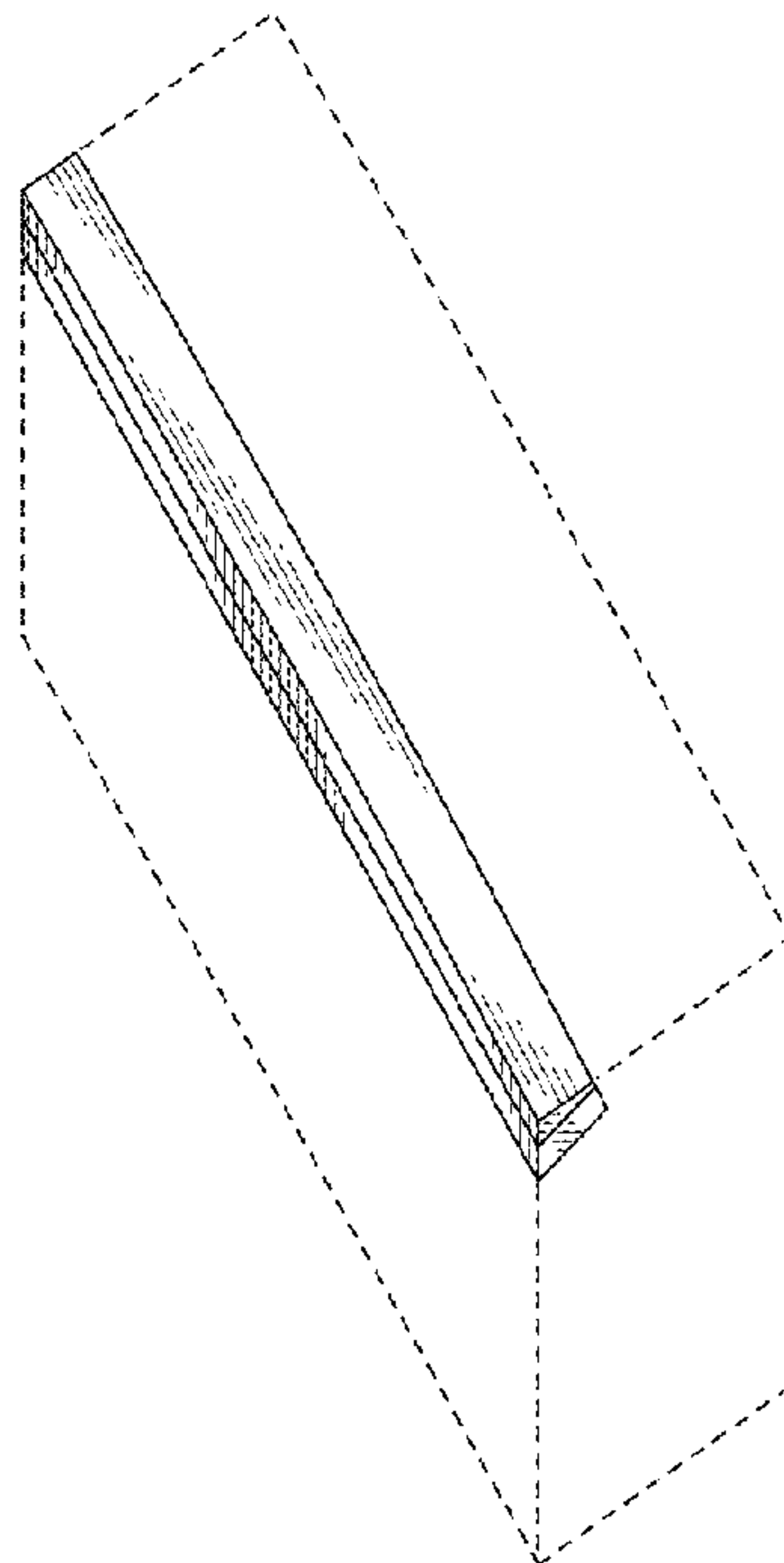


FIG.9

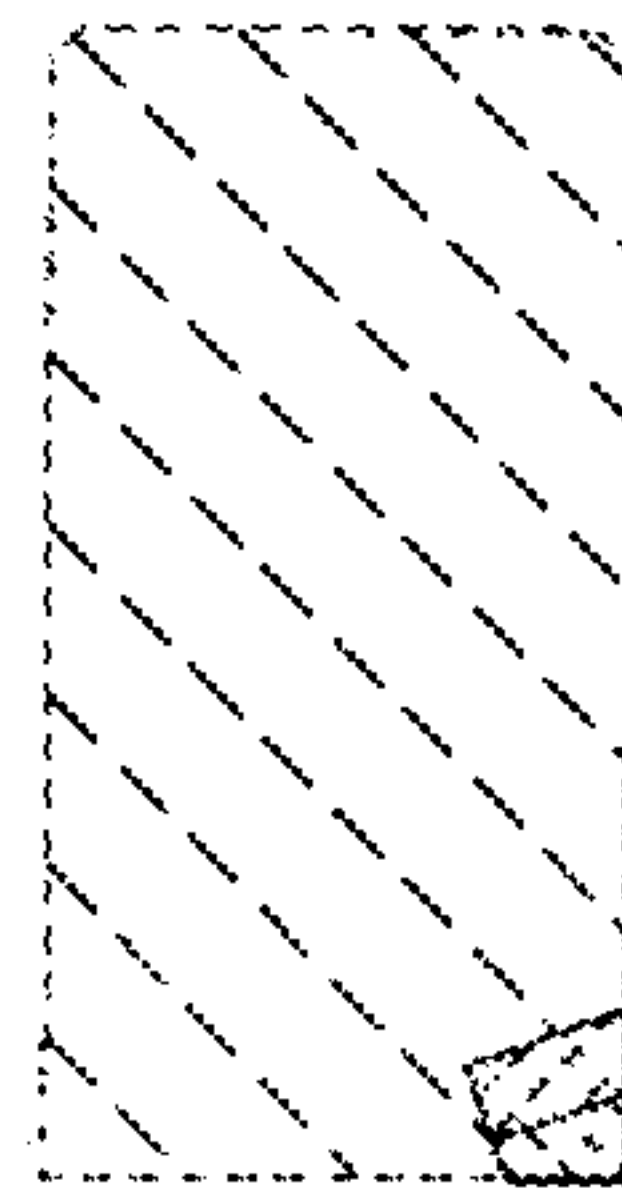


FIG.10

