



US00D926998S

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

(10) **Patent No.:** **US D926,998 S**

(45) **Date of Patent:** **** Aug. 3, 2021**

(54) **SPLINT FOR EXTREMITIES**

(71) Applicant: **ALPHAPOINTE**, Kansas City, MO (US)

(72) Inventors: **Christopher B. Kosiorek**, La Vernia, TX (US); **Ryan Williams**, Olathe, KS (US); **Esra Abir**, New York, NY (US); **Brenda Mee**, West Newfield, ME (US)

(73) Assignee: **ALPHAPOINTE**, Kansas City, MO (US)

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

(21) Appl. No.: **29/634,958**

(22) Filed: **Jan. 25, 2018**

(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/190**

(58) **Field of Classification Search**
USPC D24/188-192, 183
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,209,011 A 6/1980 Peck et al.
4,383,526 A 5/1983 Robins
(Continued)

FOREIGN PATENT DOCUMENTS

KR 200271677 Y1 4/2002
WO 2019148012 A1 8/2019

OTHER PUBLICATIONS

“Communication pursuant to Rules 161 and 162 EPC received for EP Application No. 19744312.0 dated Sep. 15, 2020, 3 pages”.
(Continued)

Primary Examiner — Jennifer L Watkins

(74) *Attorney, Agent, or Firm* — Kutak Rock LLP; Brian L. Main

(57) **CLAIM**

The ornamental design for a splint for extremities, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a splint for extremities of the present invention shown in a flat configuration;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a first end view thereof;
FIG. 5 is a second end view thereof;
FIG. 6 is a first side view thereof;
FIG. 7 is a second side view thereof.
FIG. 8 is a perspective view of a second embodiment of a splint for extremities of the present invention shown in a flat configuration;
FIG. 9 is a front view thereof;
FIG. 10 is a rear view thereof;
FIG. 11 is a first end view thereof;
FIG. 12 is a second end view thereof;
FIG. 13 is a first side view thereof; and
FIG. 14 is a second side view thereof.
FIG. 15 is a perspective view of the splint for extremities of FIG. 8 shown in a first deployed configuration;
FIG. 16 is a front view thereof;
FIG. 17 is a rear view thereof;
FIG. 18 is a first side view thereof;
FIG. 19 is a second side view thereof;
FIG. 20 is a top view thereof; and
FIG. 21 is a bottom view thereof.
FIG. 22 is a perspective view of the splint for extremities of FIG. 8 shown in a second deployed configuration;
FIG. 23 is a front view thereof;
FIG. 24 is a rear view thereof;
FIG. 25 is a first side view thereof;

(Continued)

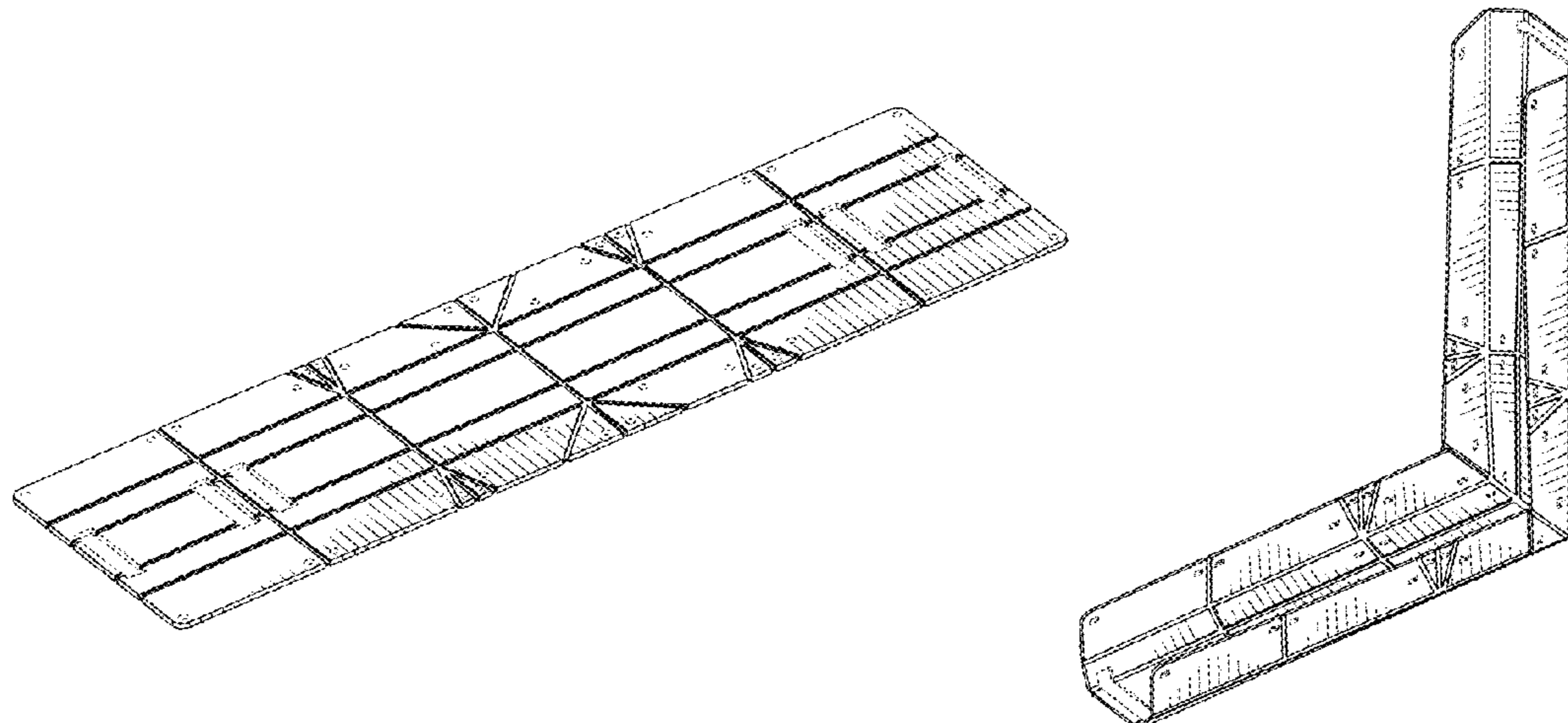


FIG. 26 is a second side view thereof;
 FIG. 27 is a top view thereof; and
 FIG. 28 is a bottom view thereof.
 FIG. 29 is a perspective view of the splint for extremities of FIG. 8 shown in a third deployed configuration;
 FIG. 30 is a front view thereof;
 FIG. 31 is a rear view thereof;
 FIG. 32 is a first side view thereof;
 FIG. 33 is a second side view thereof;
 FIG. 34 is a top view thereof; and
 FIG. 35 is a bottom view thereof.
 FIG. 36 is a perspective view of a third embodiment of a splint for extremities of the present invention shown in a flat configuration;
 FIG. 37 is a front view thereof;
 FIG. 38 is a rear view thereof;
 FIG. 39 is a first end view thereof;
 FIG. 40 is a second end view thereof;
 FIG. 41 is a first side view thereof; and
 FIG. 42 is a second side view thereof.
 FIG. 43 is a perspective view of the splint for extremities of FIG. 36 shown in a first deployed configuration;
 FIG. 44 is a front view thereof;
 FIG. 45 is a rear view thereof;
 FIG. 46 is a first side view thereof;
 FIG. 47 is a second side view thereof;
 FIG. 48 is a top view thereof; and
 FIG. 49 is a bottom view thereof.
 FIG. 50 is a perspective view of the splint for extremities of FIG. 36 shown in a second deployed configuration;
 FIG. 51 is a front view thereof;
 FIG. 52 is a rear view thereof;
 FIG. 53 is a first side view thereof;
 FIG. 54 is a second side view thereof;
 FIG. 55 is a top view thereof; and
 FIG. 56 is a bottom view thereof.
 The broken lines in the figures depict portions of a splint for extremities and form no part of the claim.

1 Claim, 37 Drawing Sheets

(58) **Field of Classification Search**

CPC A61F 5/0118; A61B 17/1327; A61B 17/1322; A61B 2090/0807; A61B 2090/0808; A61B 17/135; A61B 2017/00526; A61B 2017/00544; A61B 90/90; A61B 17/1325; A61B 2017/00477; A61B 2017/12004

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D286,073	S	*	10/1986	Russell	.....	D24/190
4,776,327	A		10/1988	Russell		
4,945,925	A	*	8/1990	Garcia	.....	A61F 5/05825 128/877
D323,216	S	*	1/1992	Russell	.....	D24/188
D405,884	S	*	2/1999	Roper	.....	D24/190
5,944,016	A		8/1999	Ferko, III		
6,227,201	B1		5/2001	Ferko, III		
D656,234	S	*	3/2012	Keeney	.....	D24/190
D709,615	S	*	7/2014	Ruel	.....	D24/192
D819,219	S	*	5/2018	Izuka	.....	D24/190
2019/0224033	A1		7/2019	Kosiorek et al.		

OTHER PUBLICATIONS

“International Preliminary Report on Patentability received for PCT Application No. PCT/US2019/015259, Report issued on Jul. 28, 2020, dated Aug 6, 2020”.
 “International Search Report and Written Opinion Received for PCT Application No. PCT/US2019/015259 dated Apr. 17, 2019, 10 pages”.
 “Notice of Allowance Received for U.S. Appl. No. 16/258,225, dated Feb. 10, 2020”.

* cited by examiner

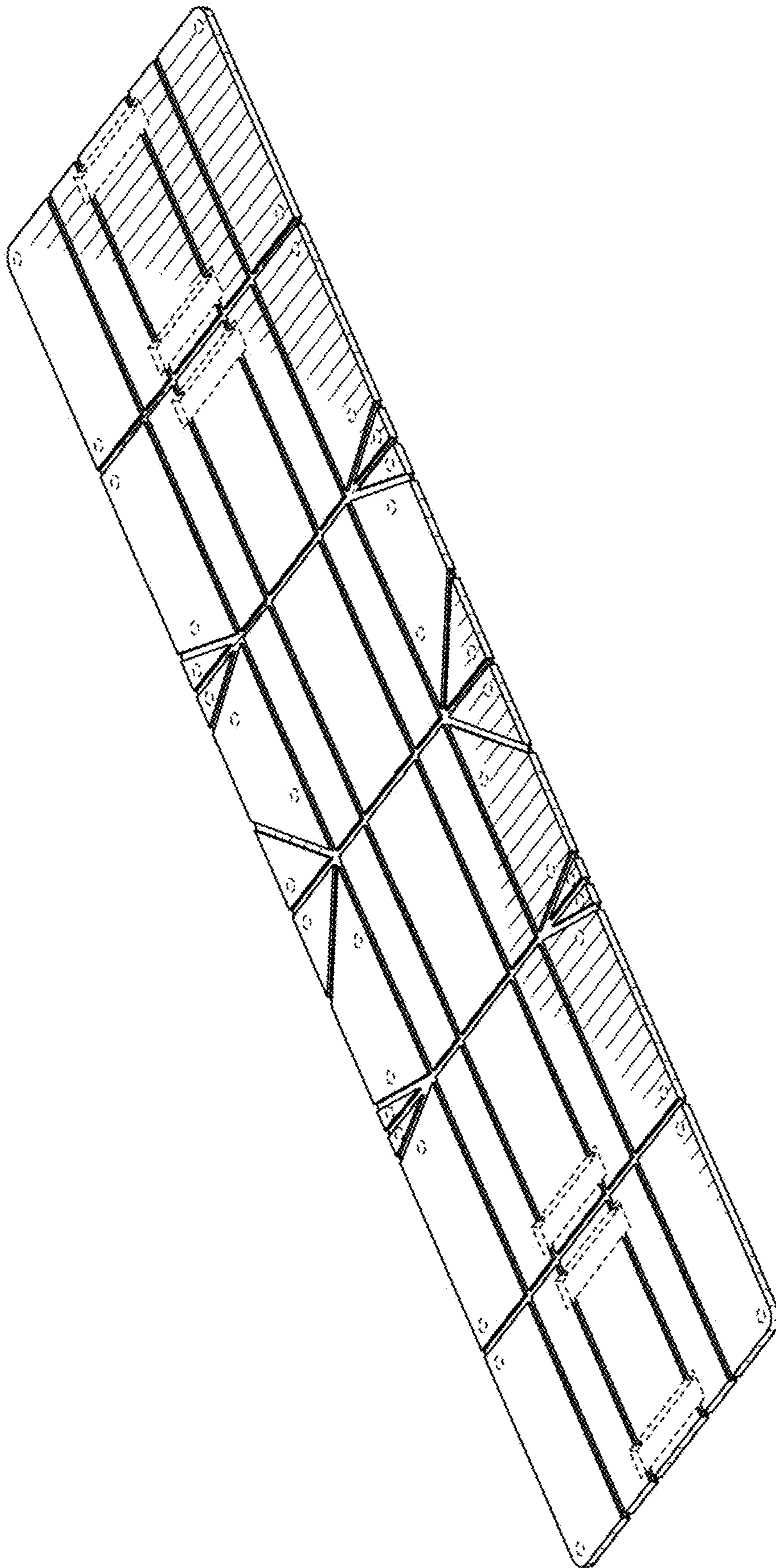


FIG. 1

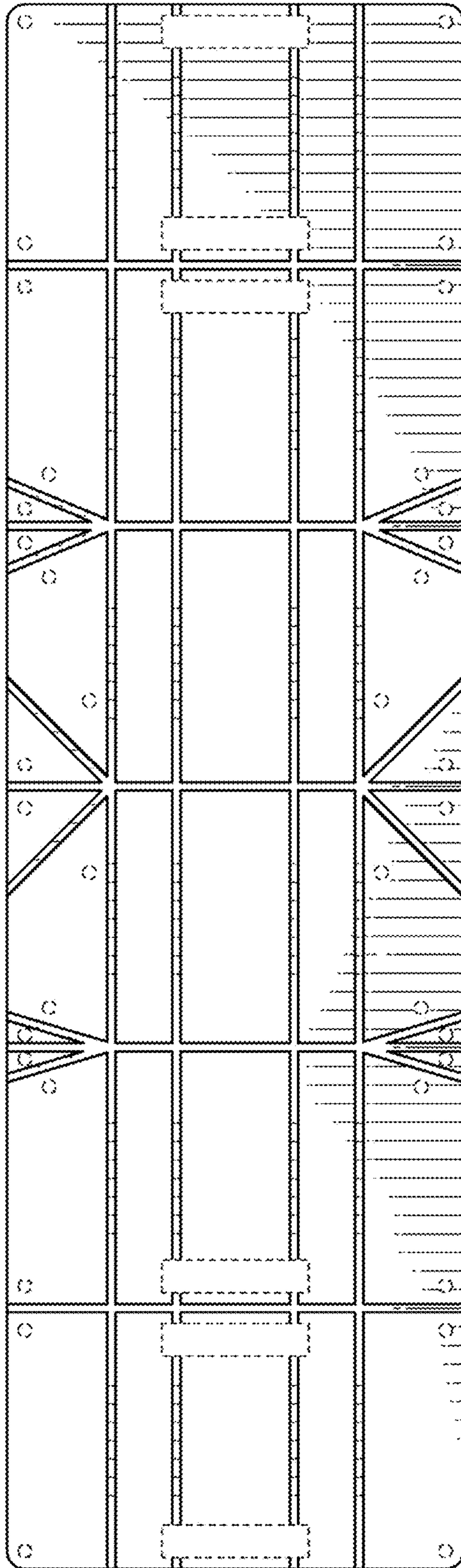


FIG. 2

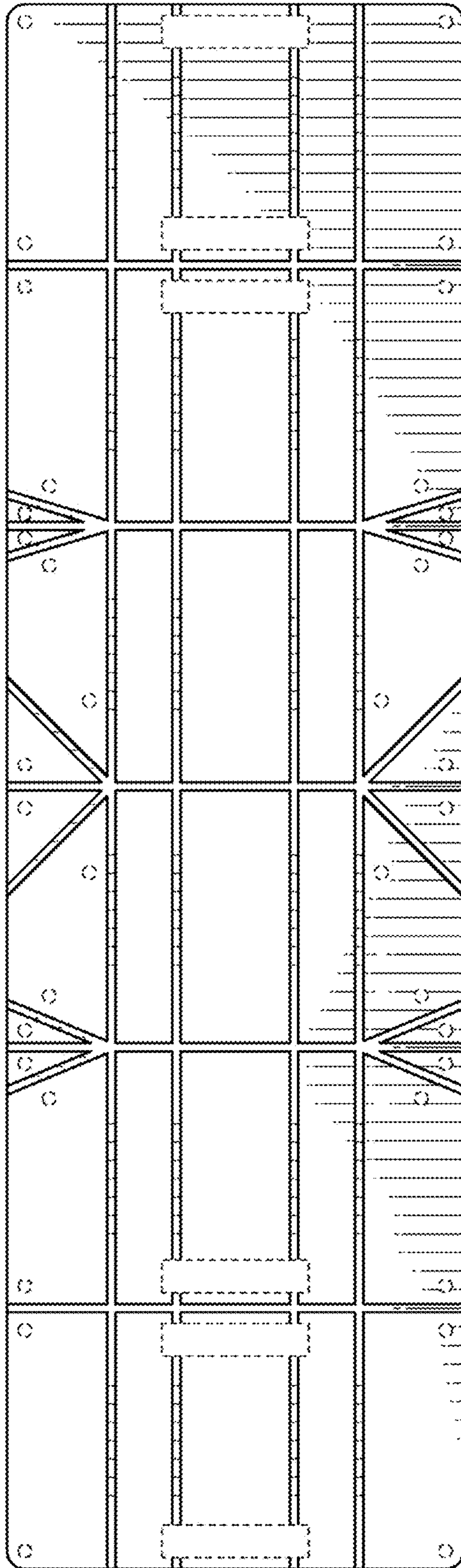


FIG. 3



FIG. 5



FIG. 4



FIG. 6



FIG. 7

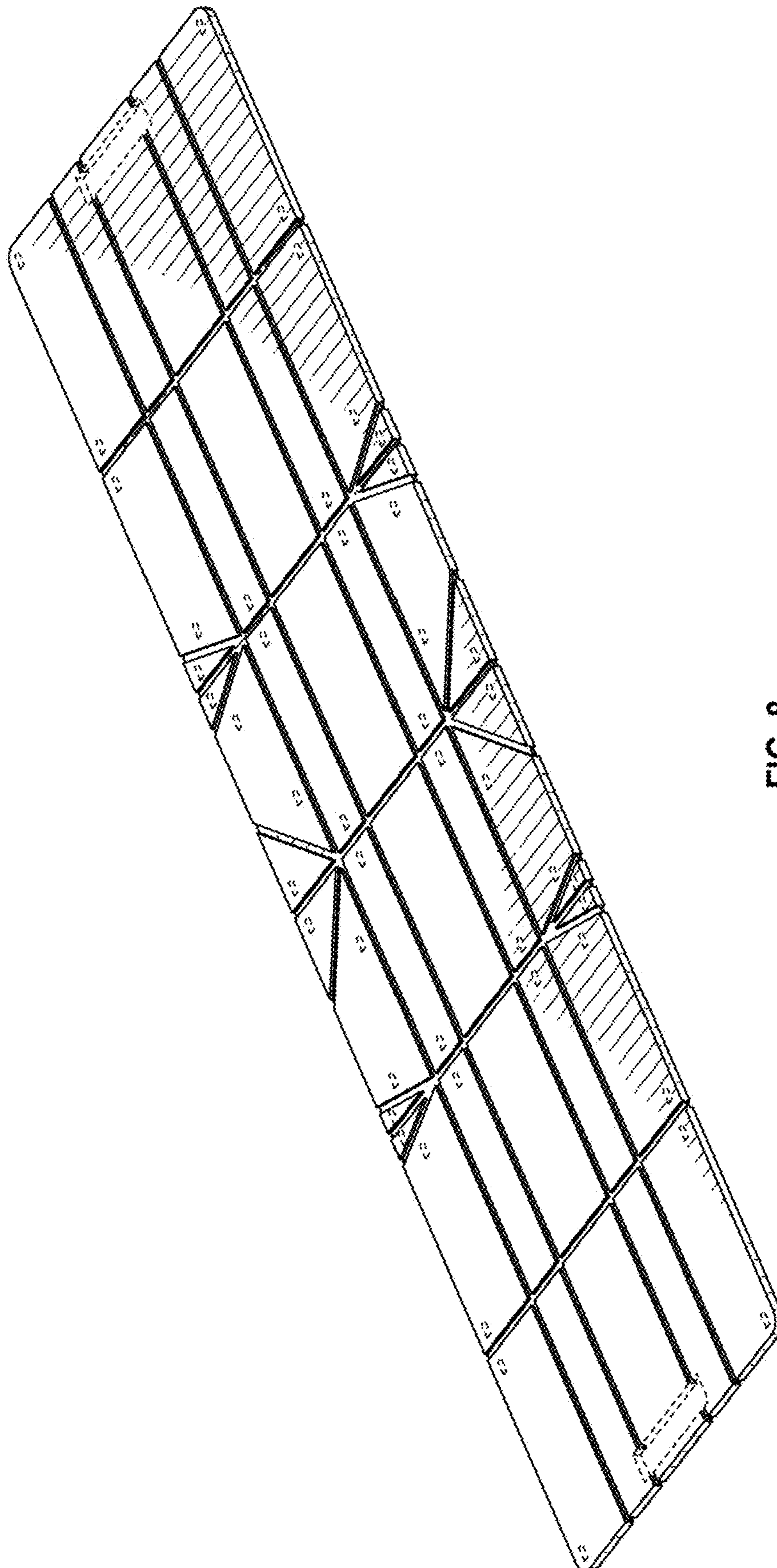


FIG. 8

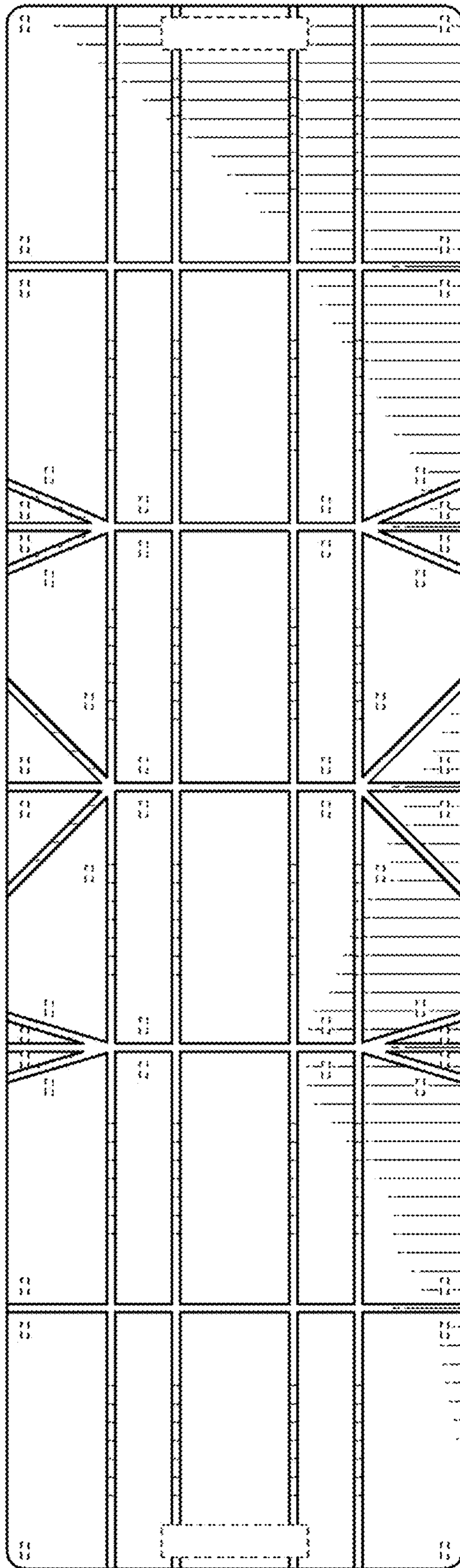


FIG. 9

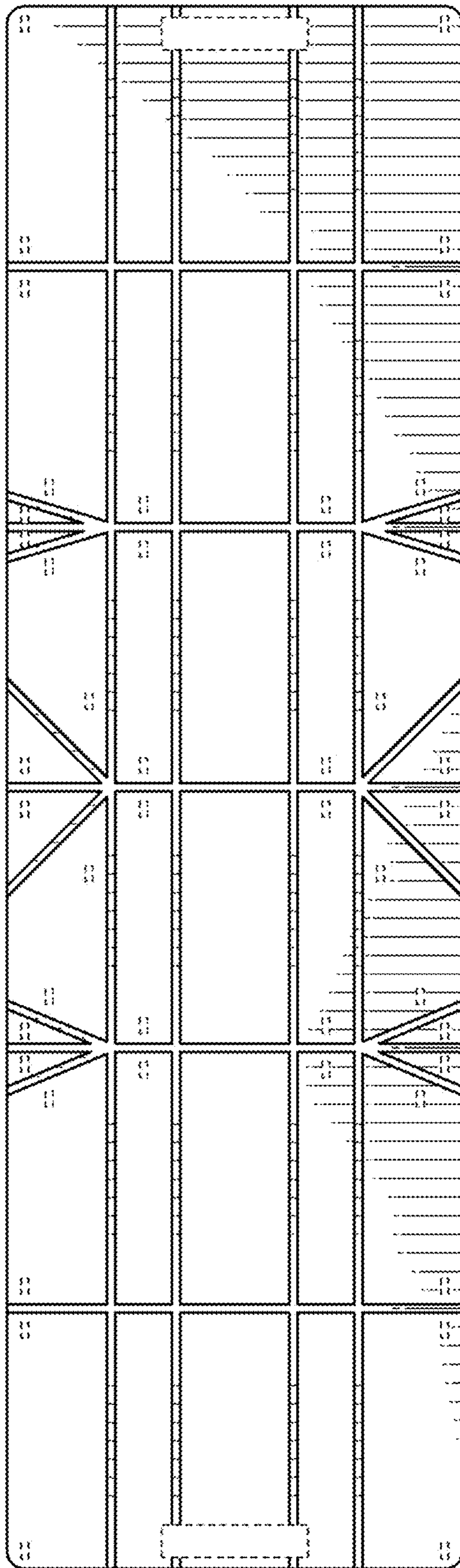


FIG. 10

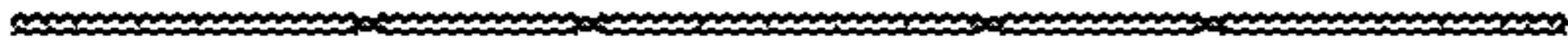


FIG. 12

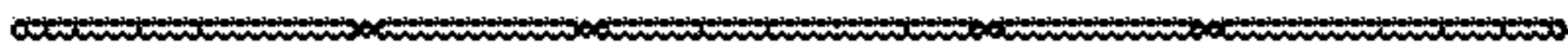


FIG. 11



FIG. 13



FIG. 14

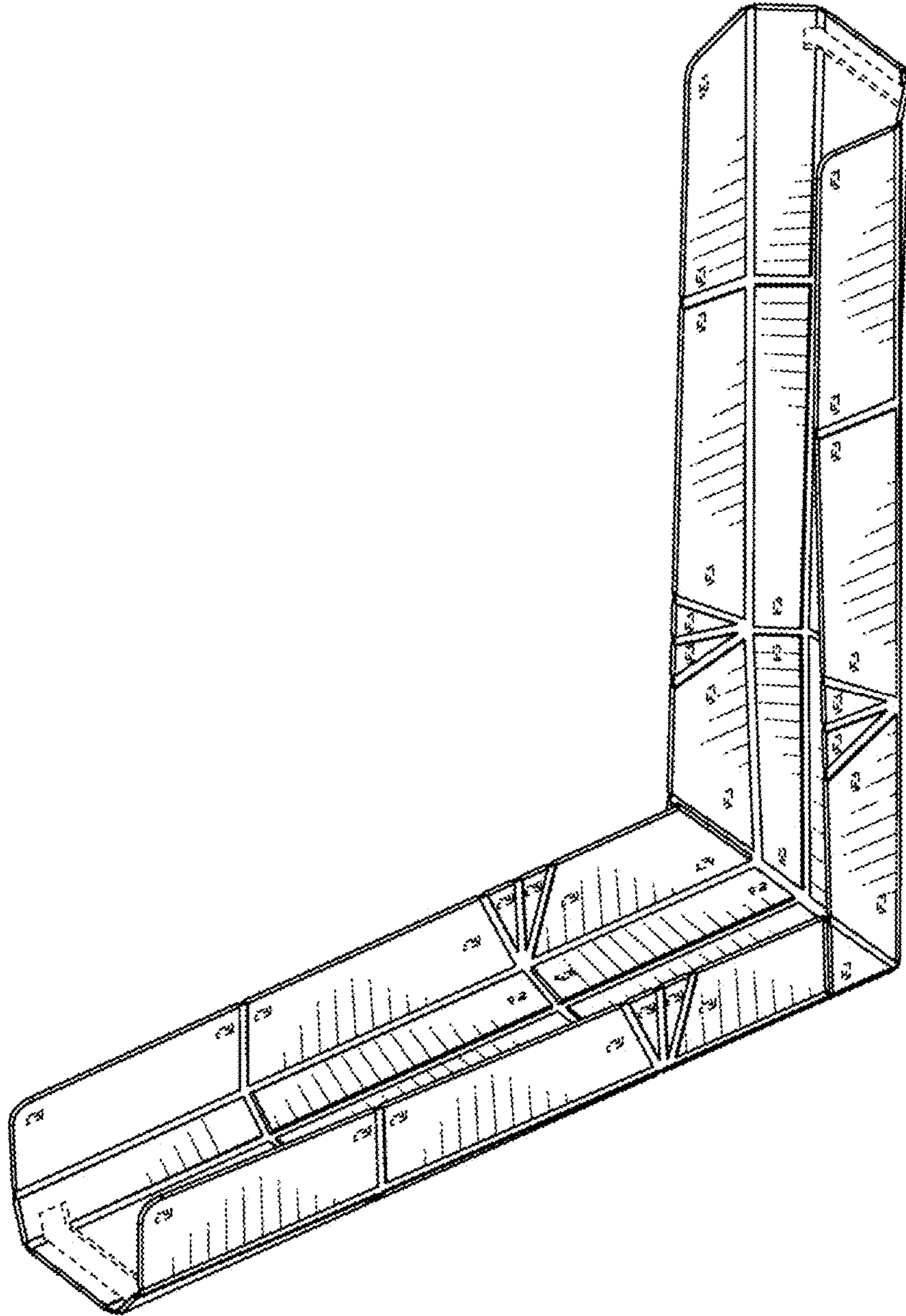


FIG. 15

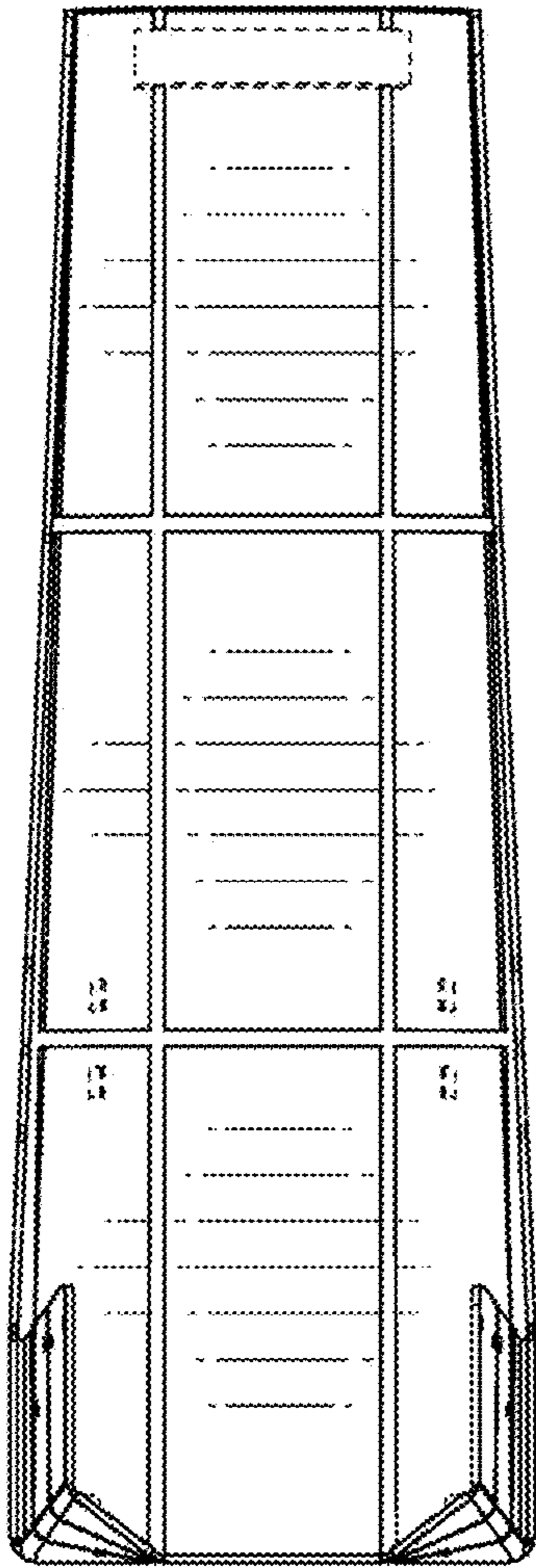


FIG. 16

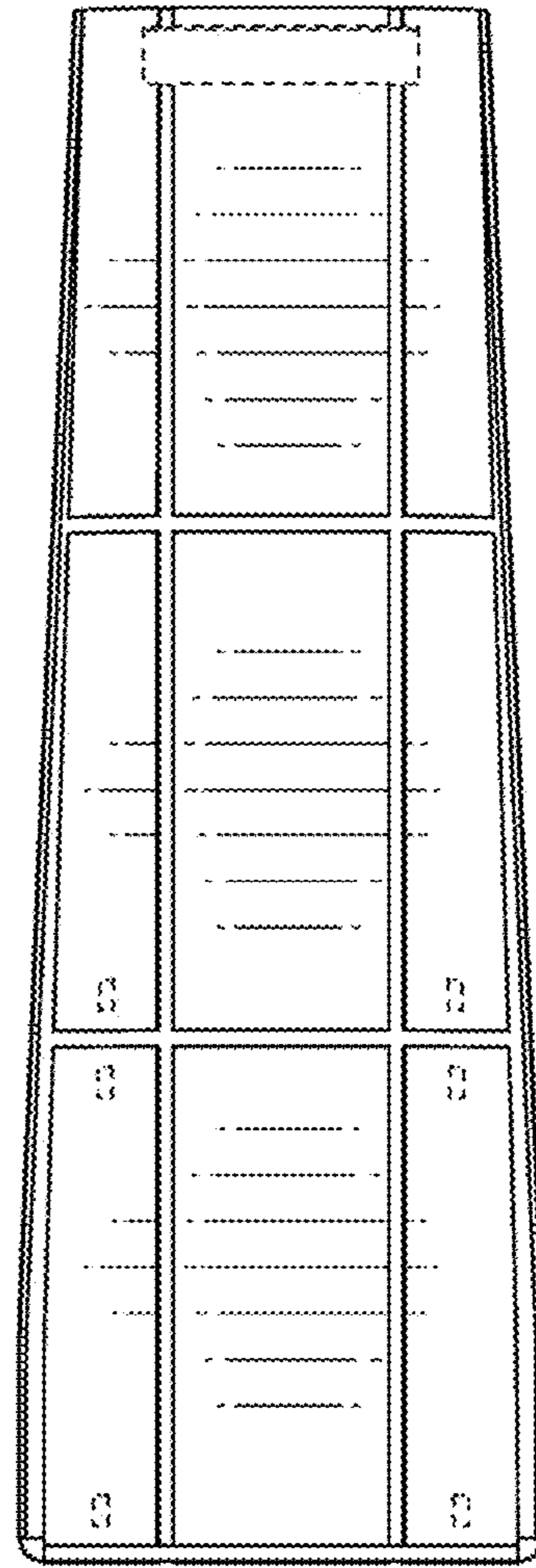


FIG. 17

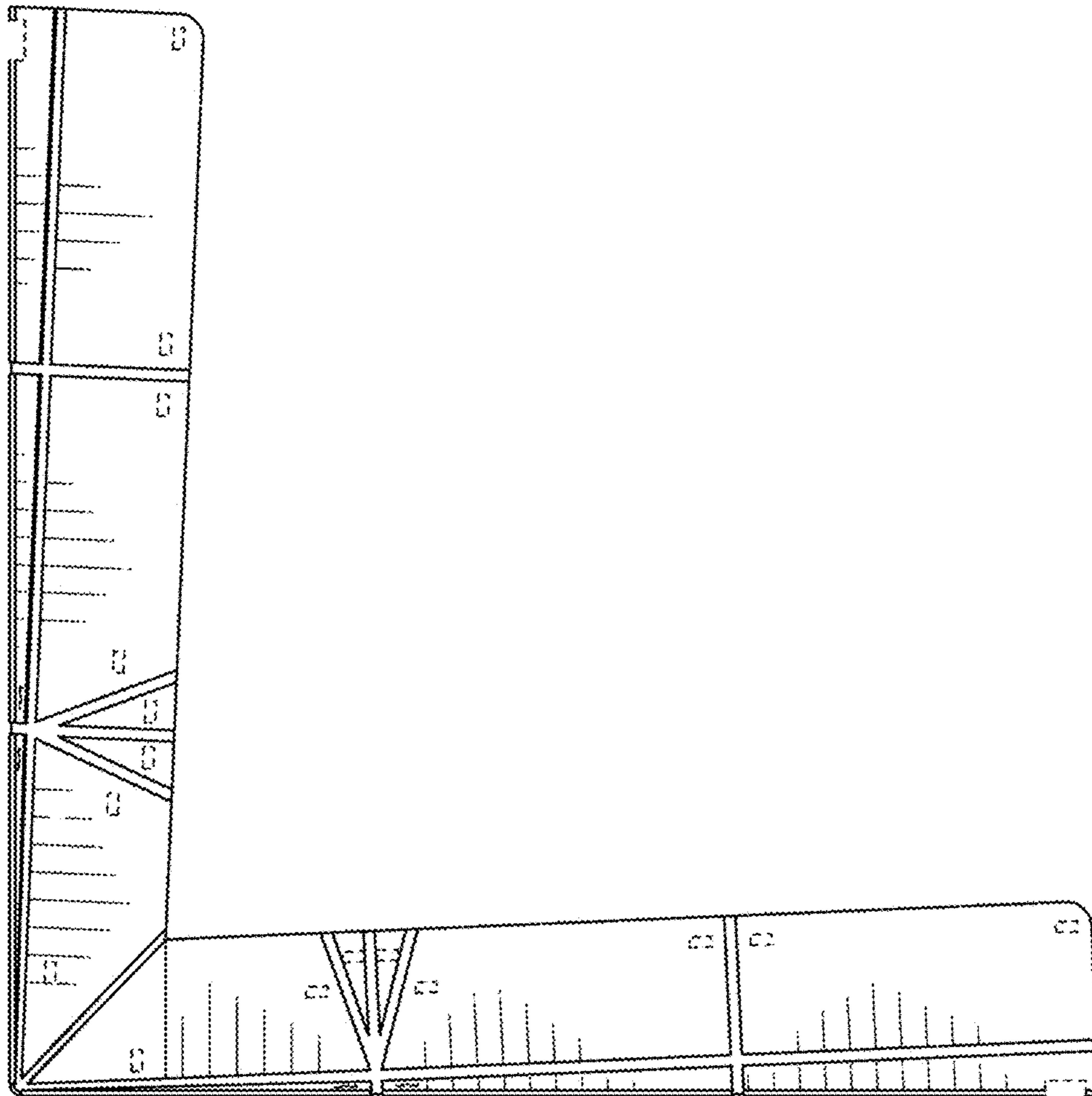


FIG. 18

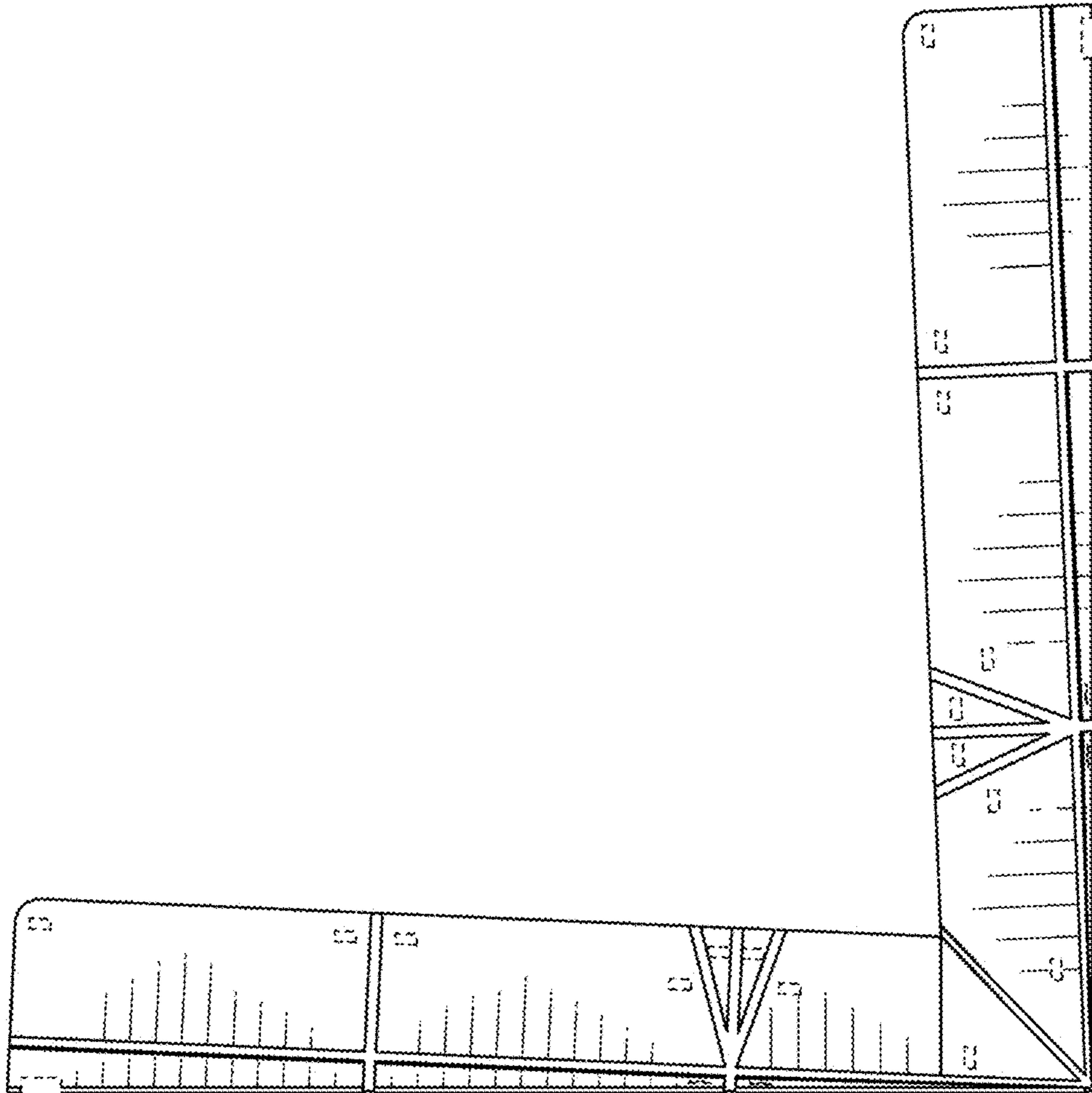


FIG. 19

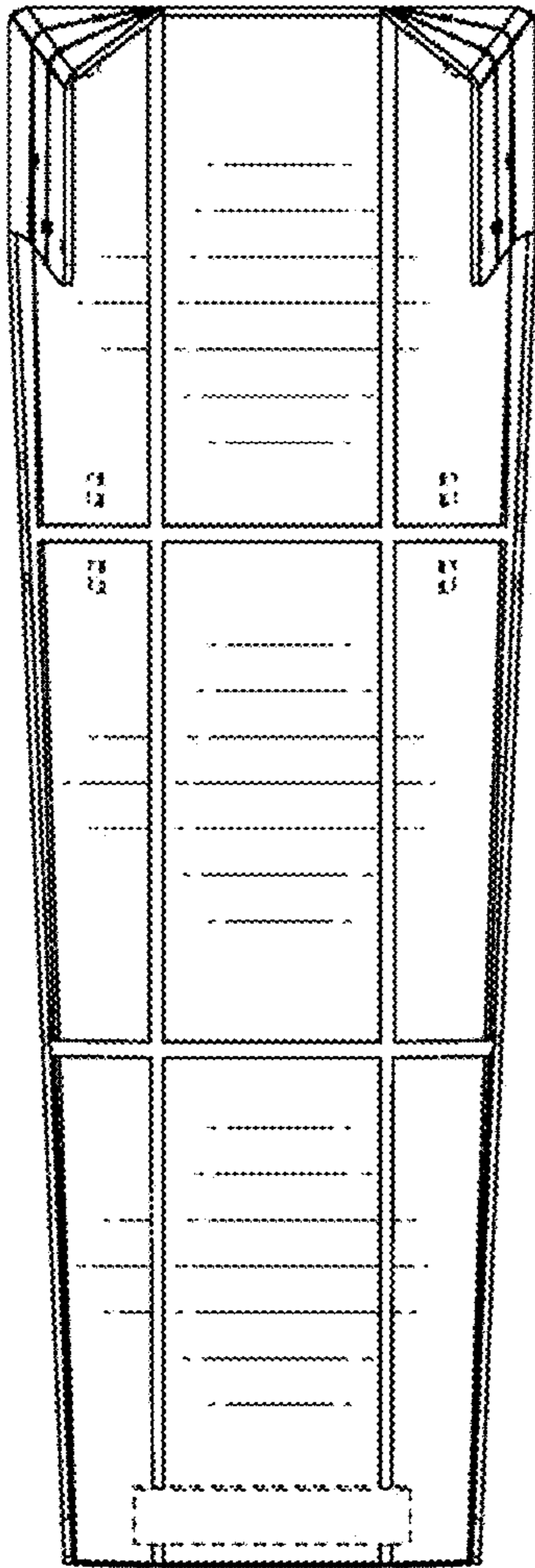


FIG. 20

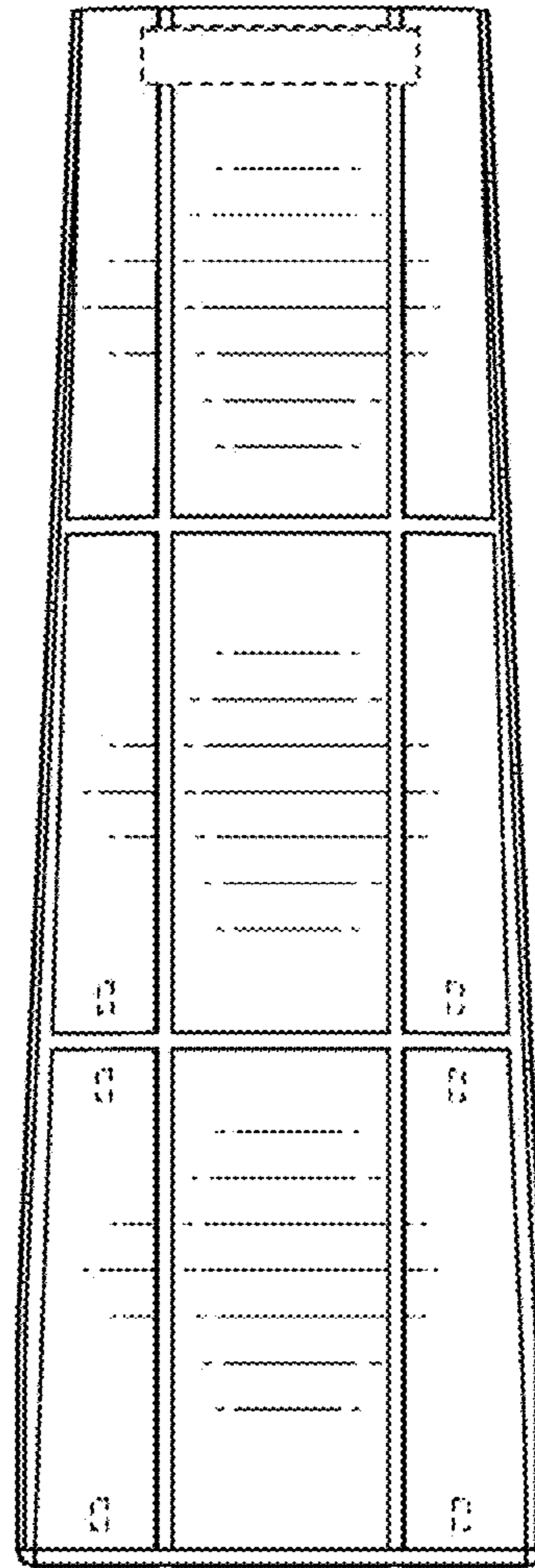


FIG. 21

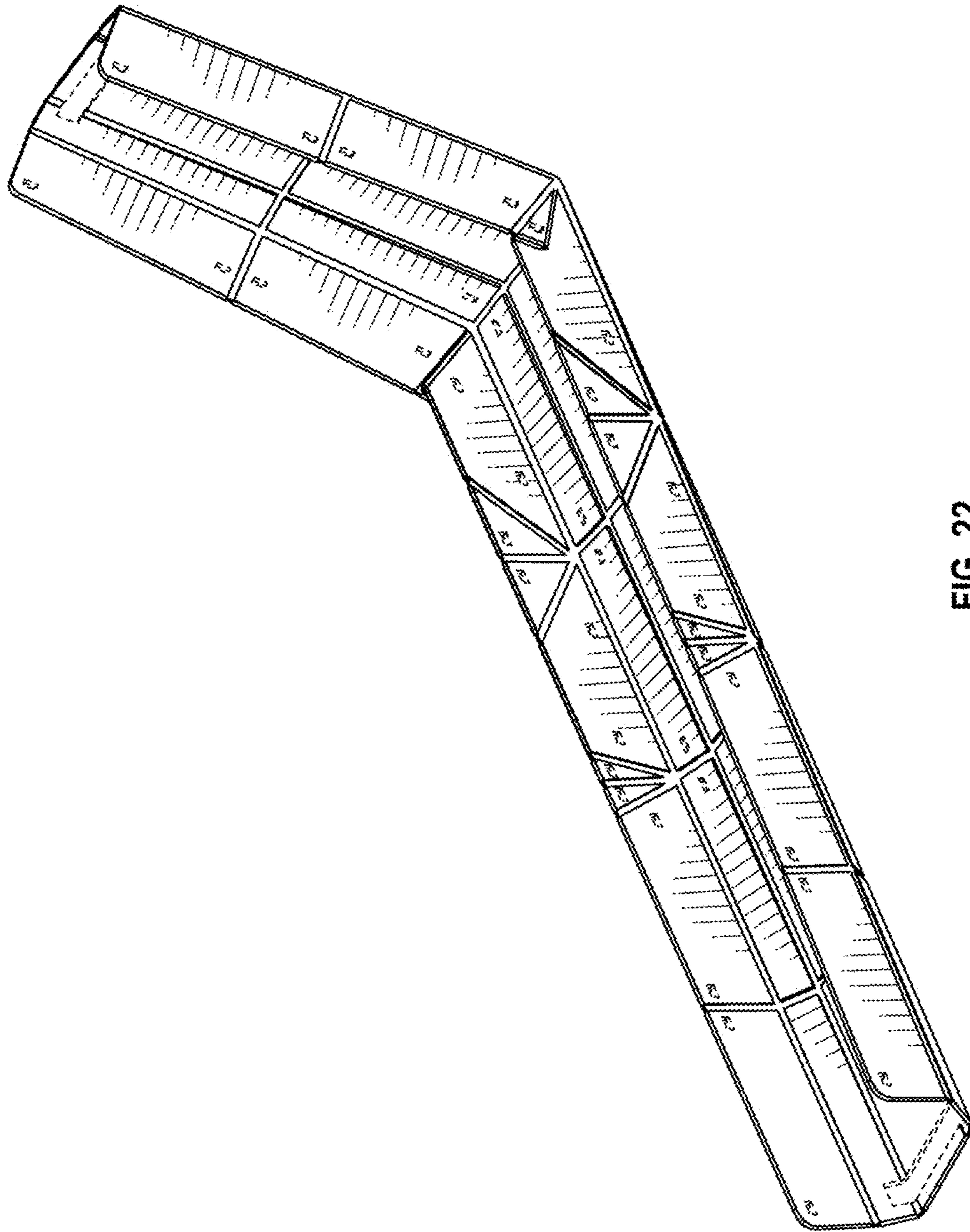


FIG. 22

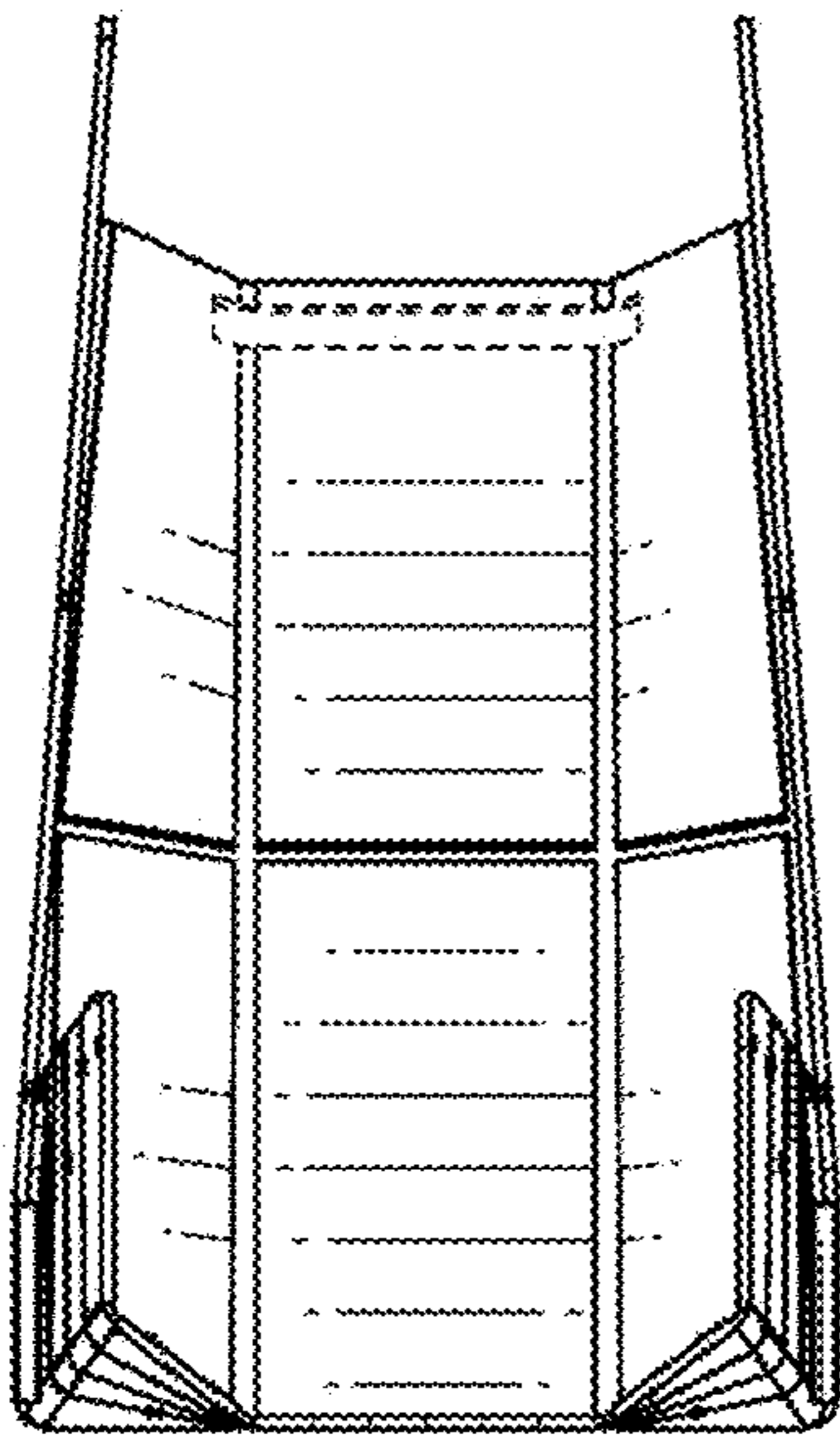


FIG. 23

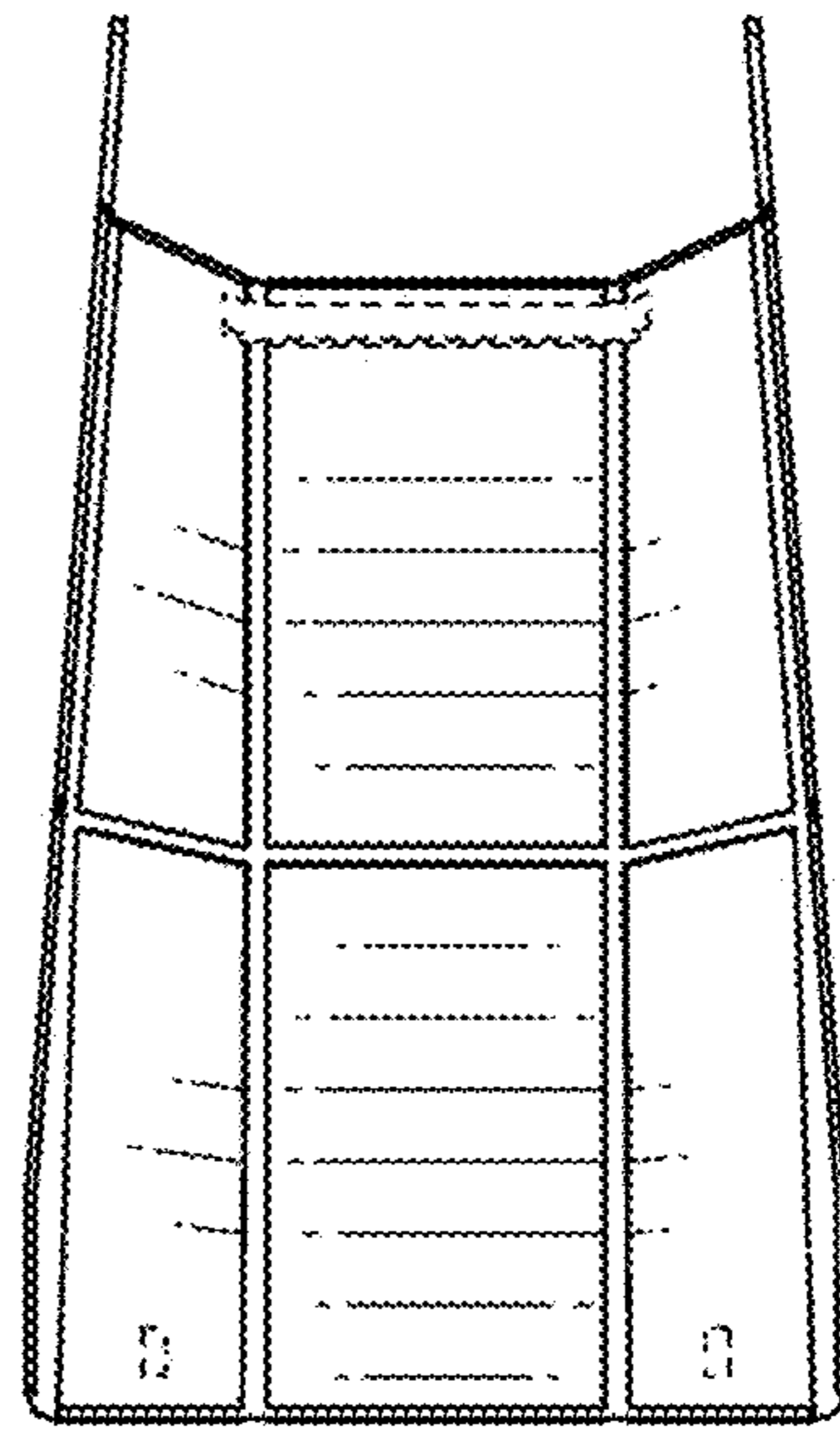


FIG. 24

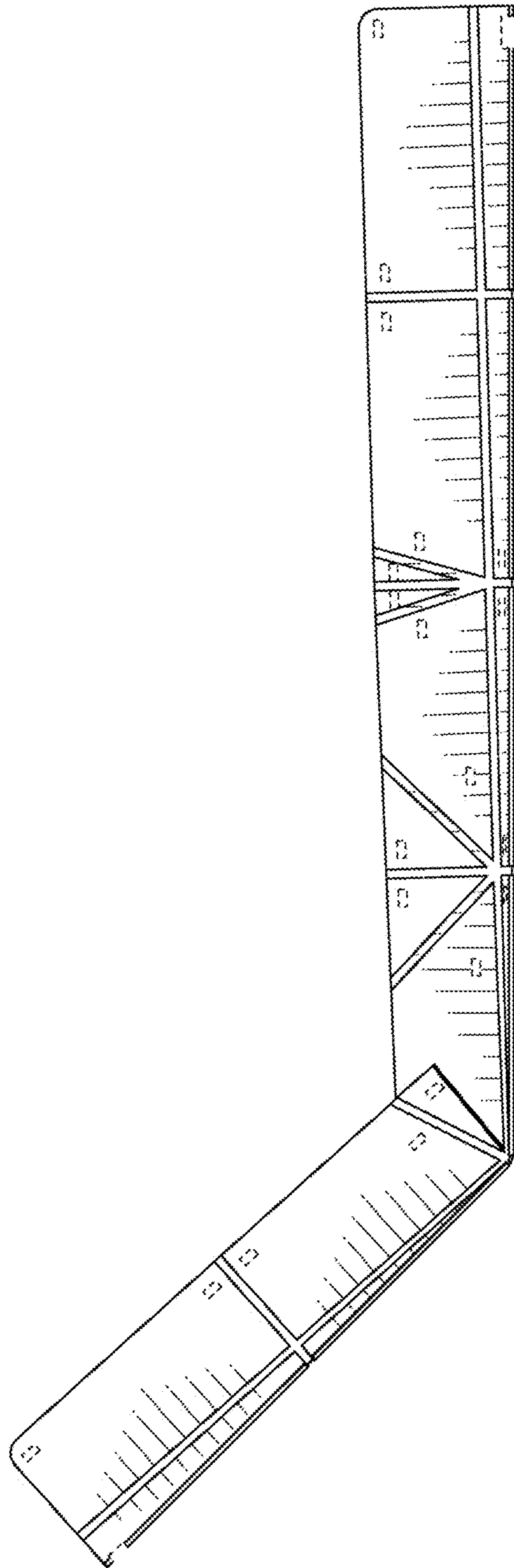


FIG. 25

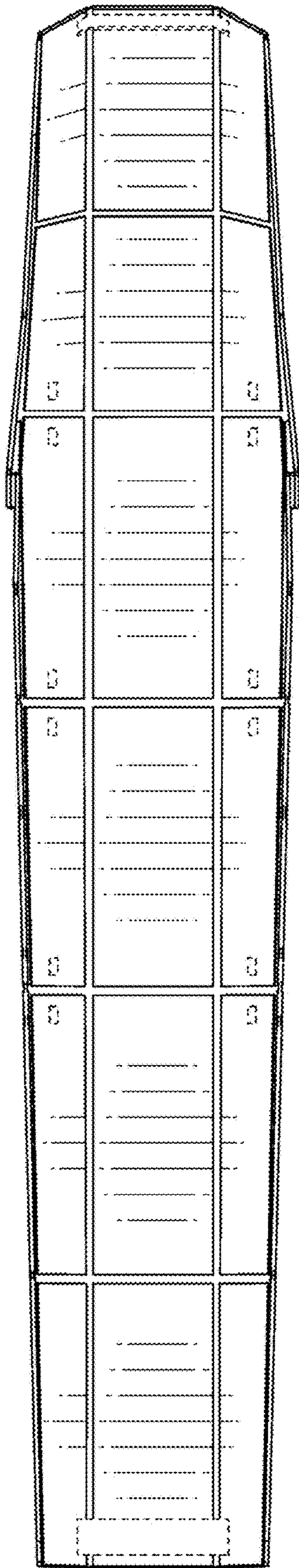


FIG. 27

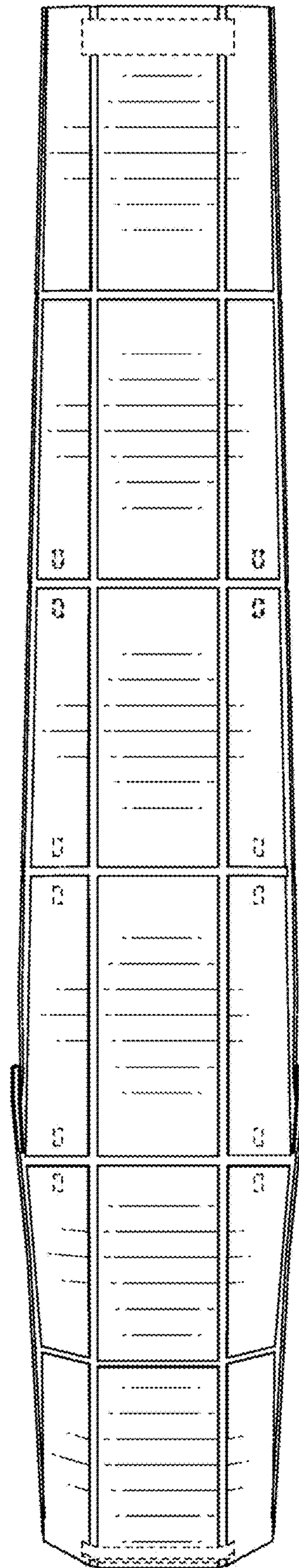


FIG. 28

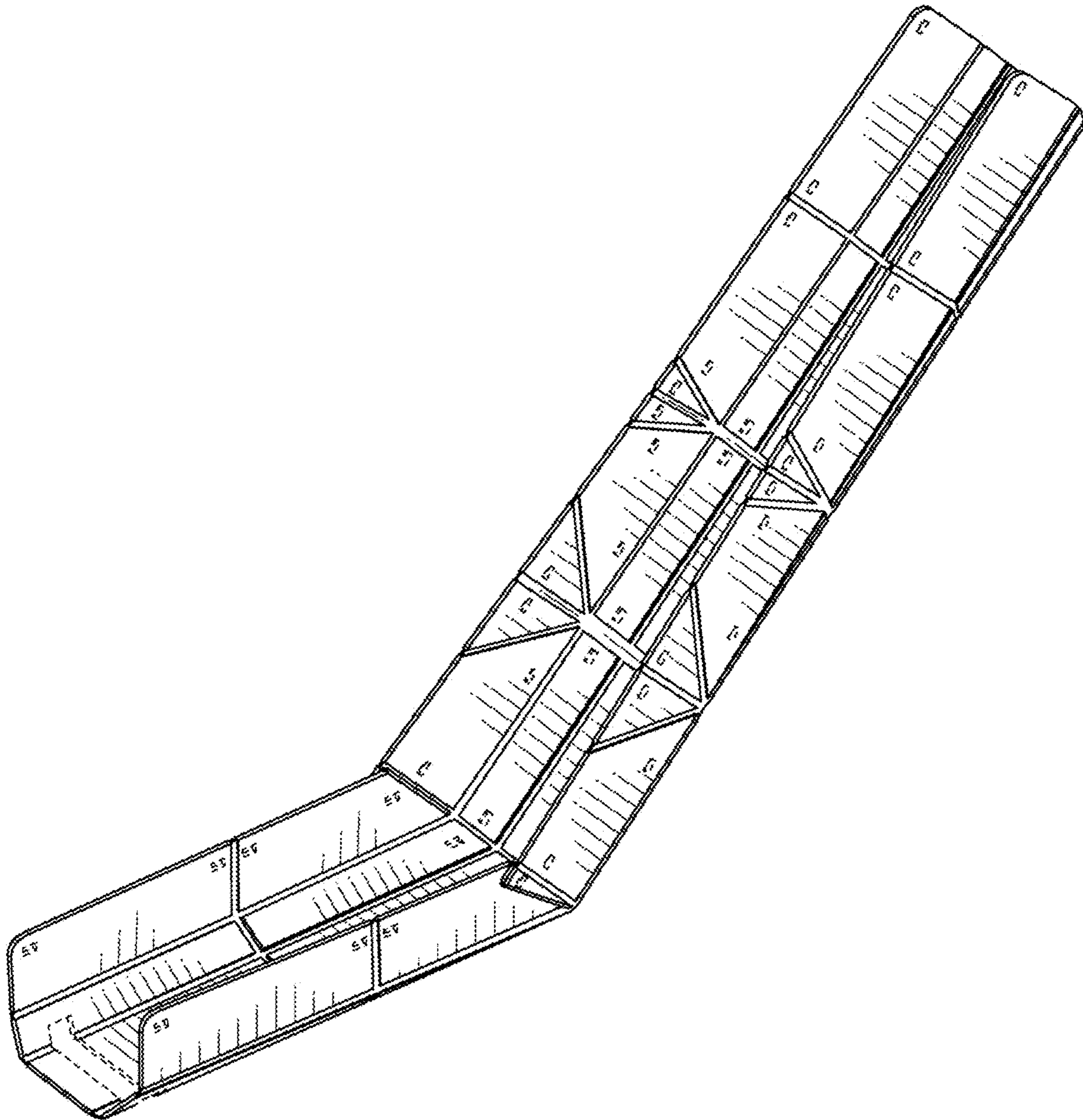


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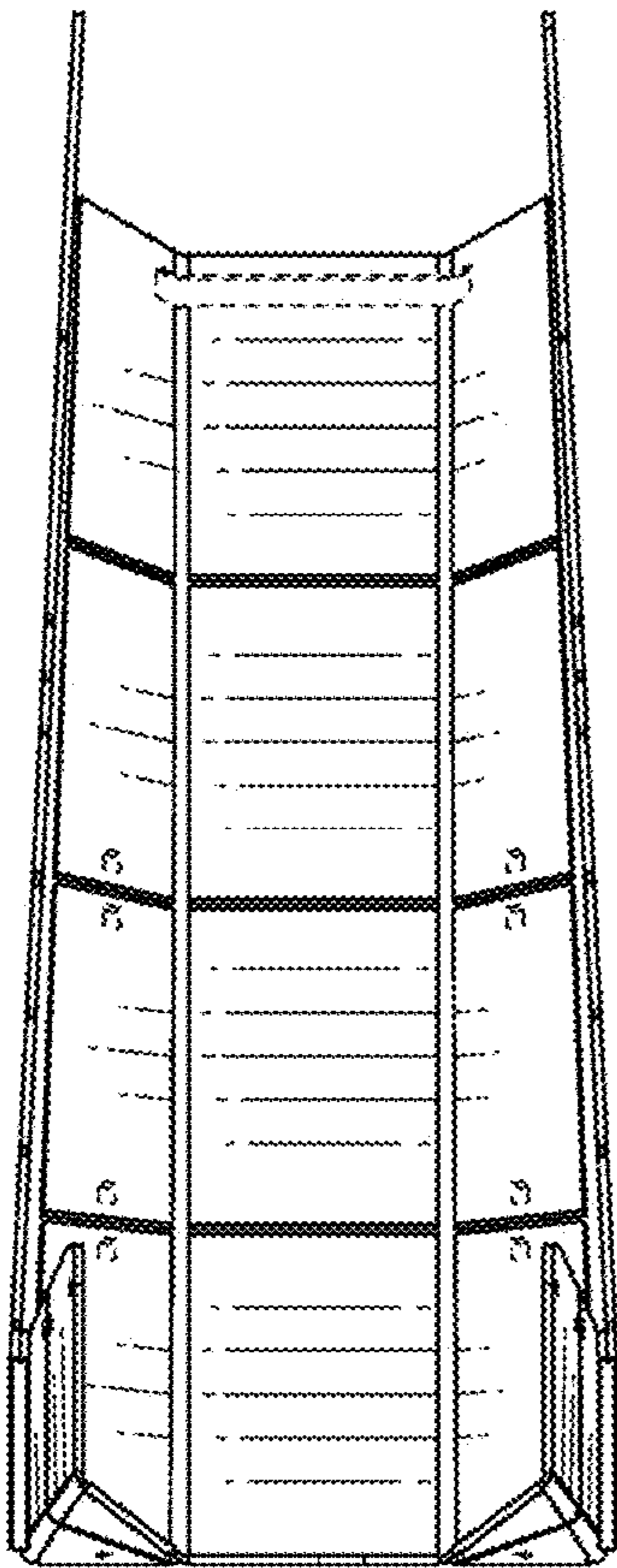


FIG. 30

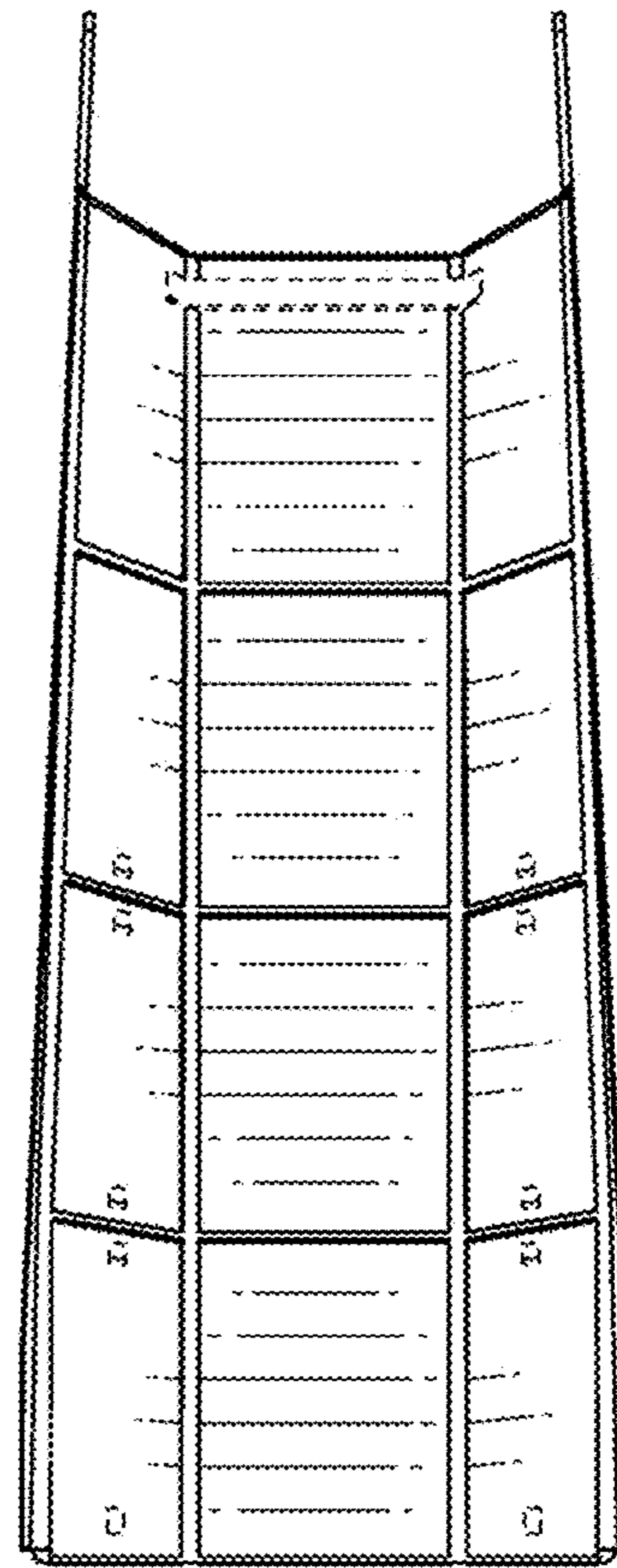


FIG. 31

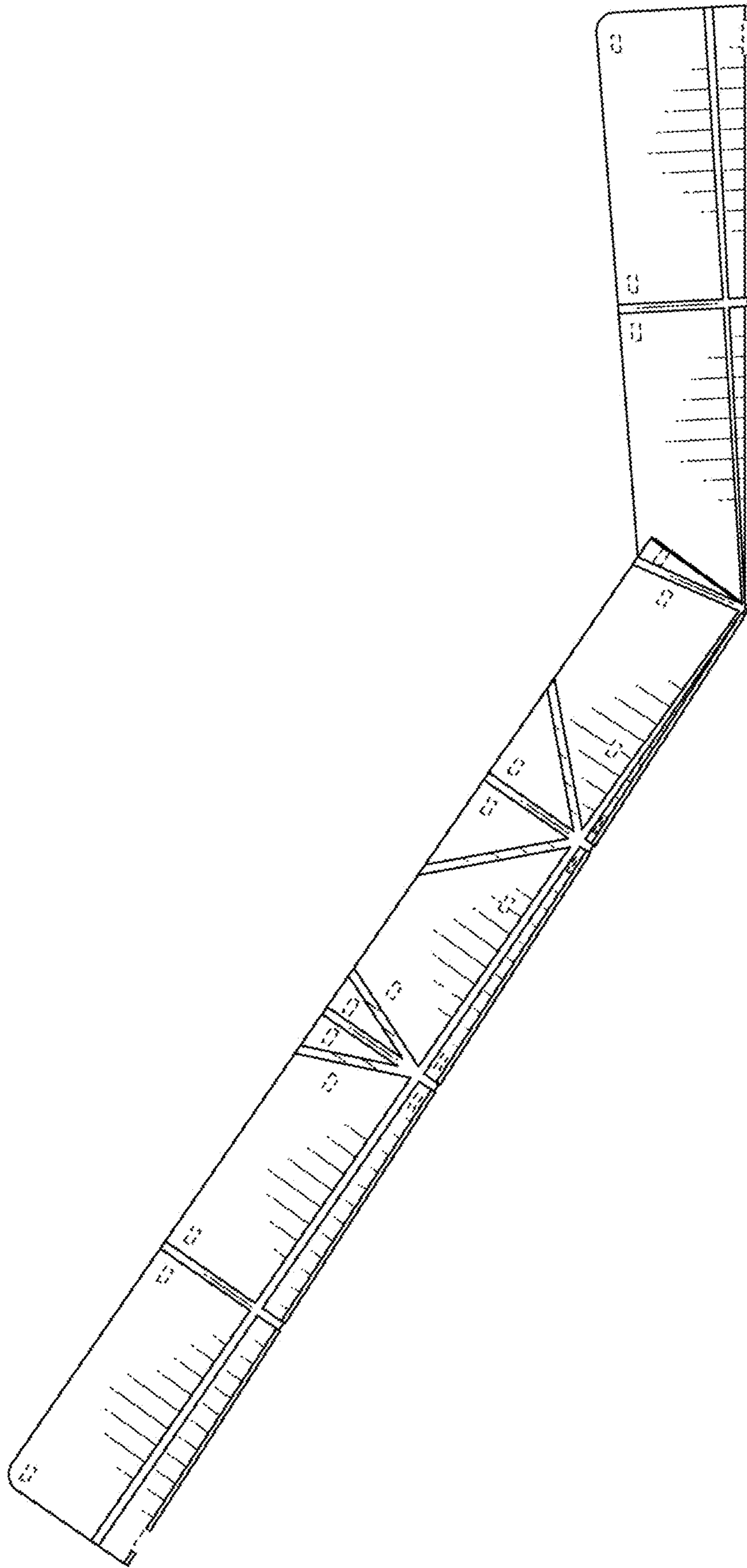


FIG. 32

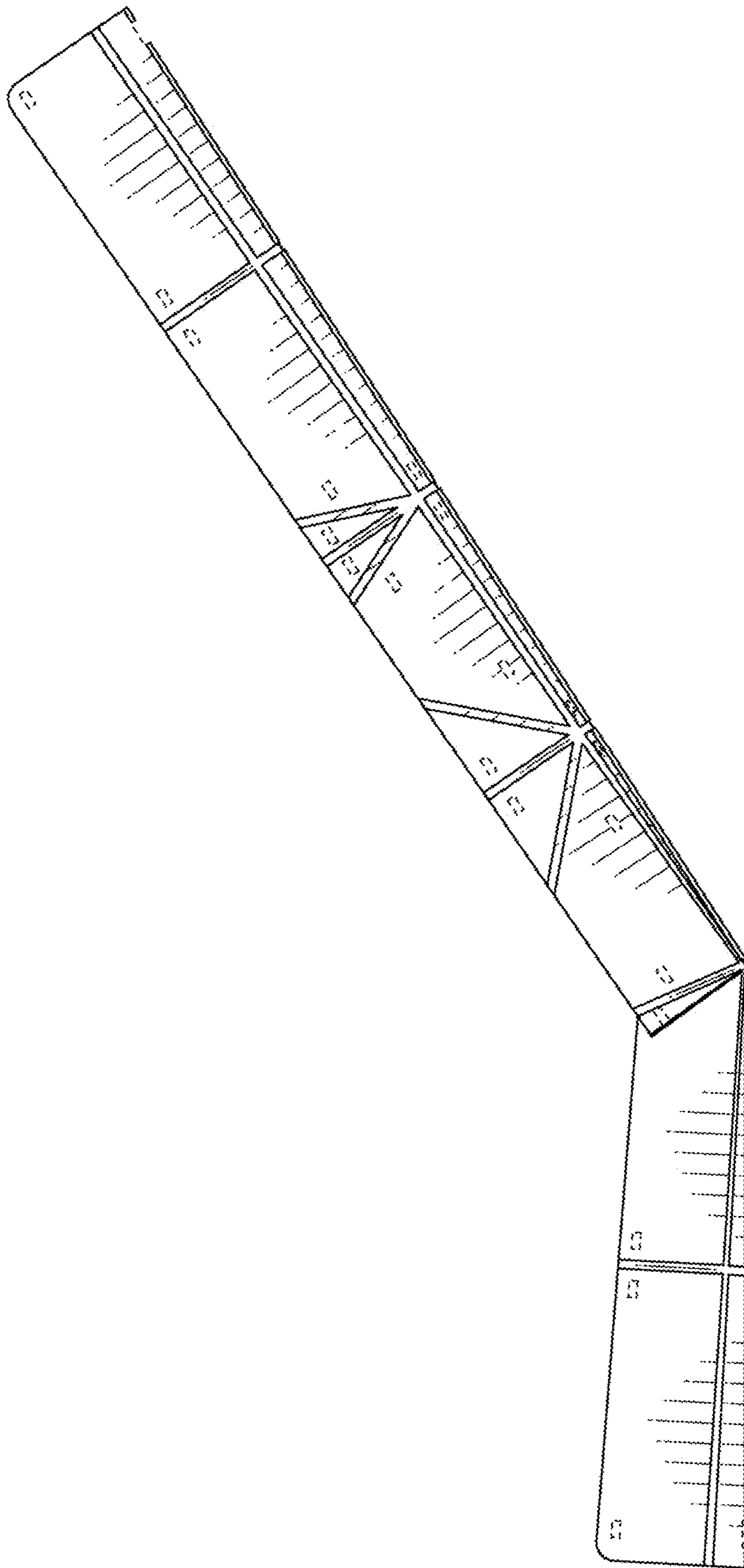


FIG. 33

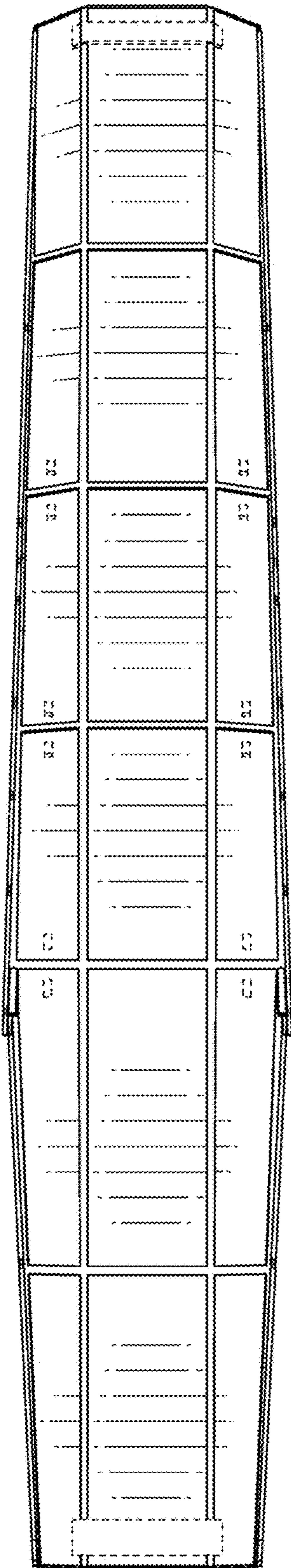


FIG. 34

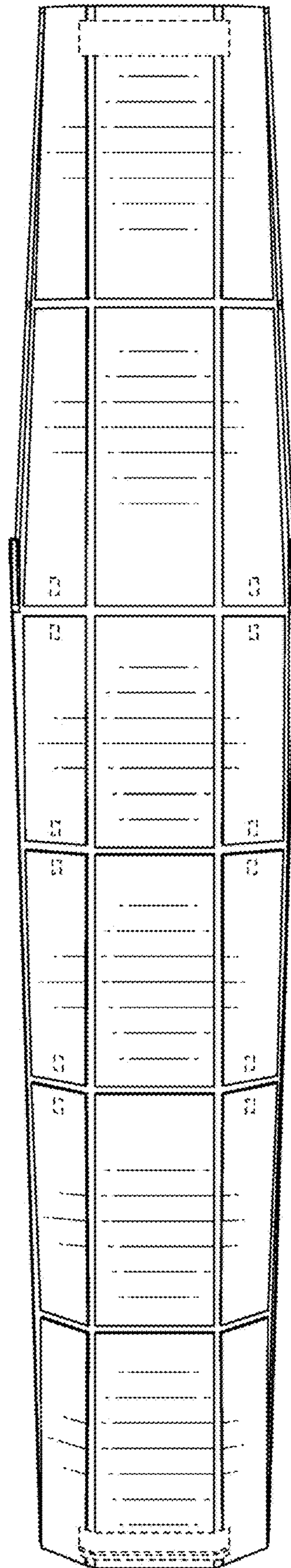


FIG. 35

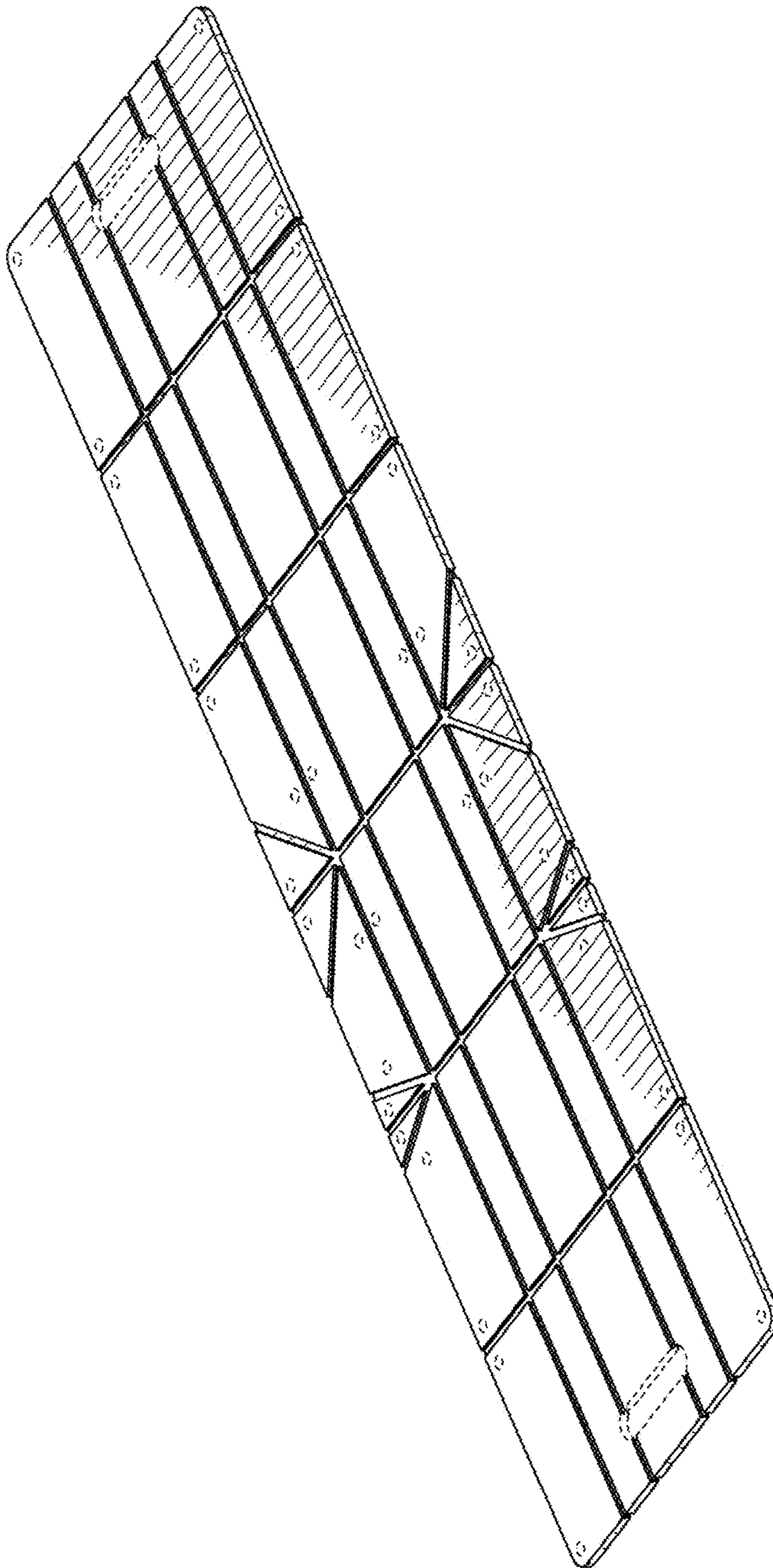


FIG. 36

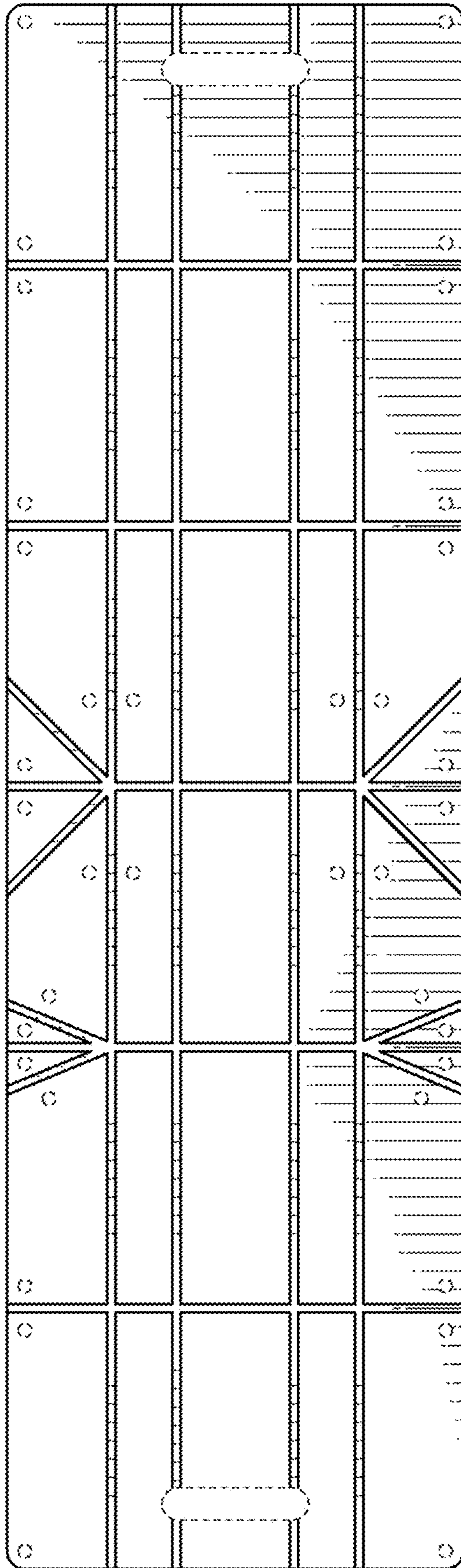


FIG. 37

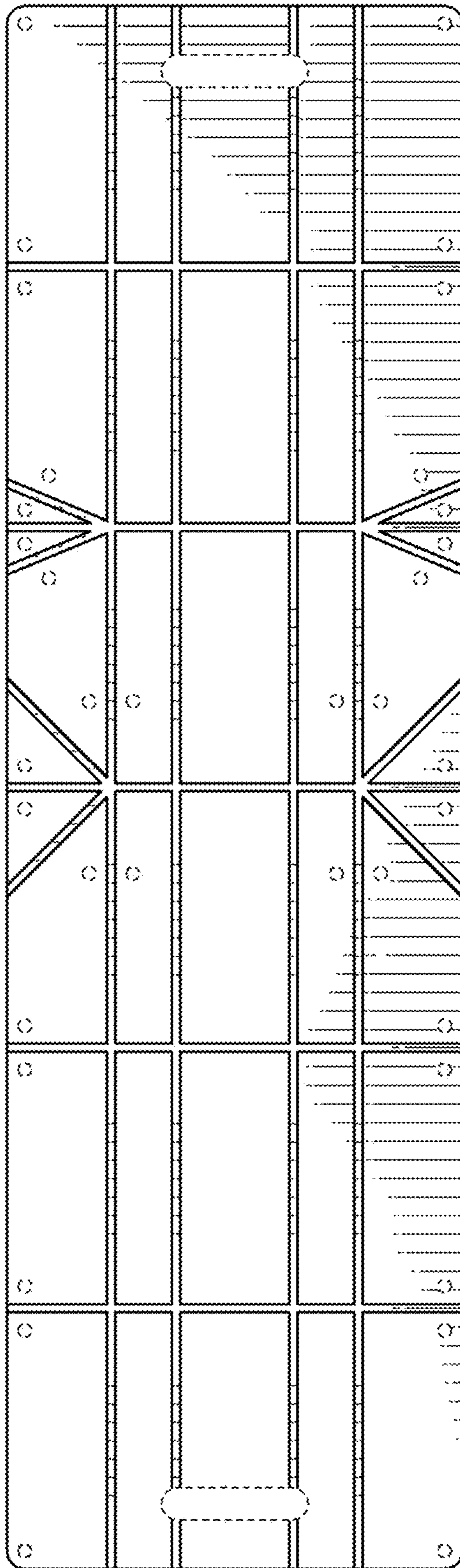


FIG. 38

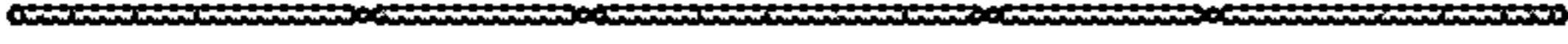


FIG. 39



FIG. 40



FIG. 41



FIG. 42

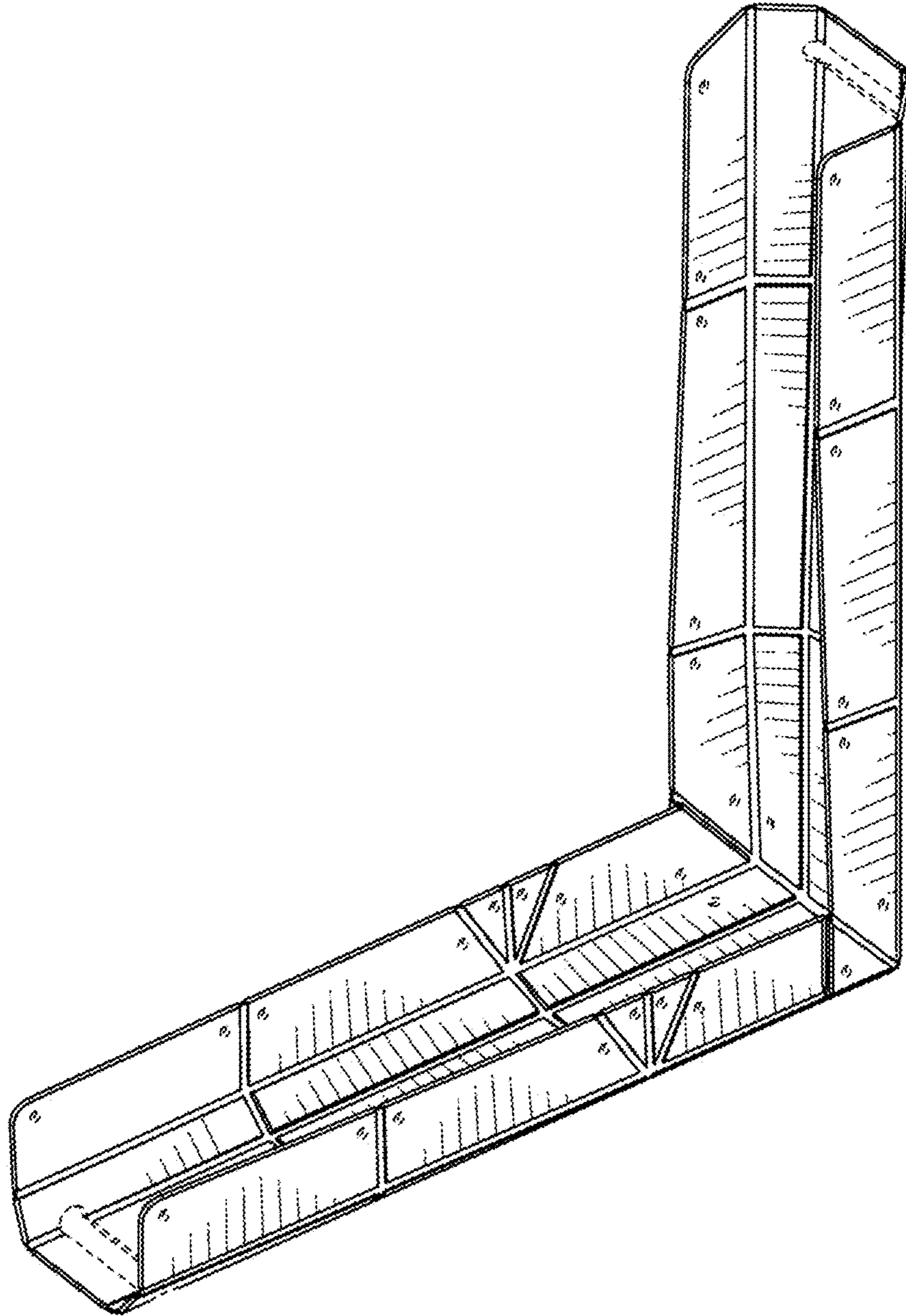


FIG. 43

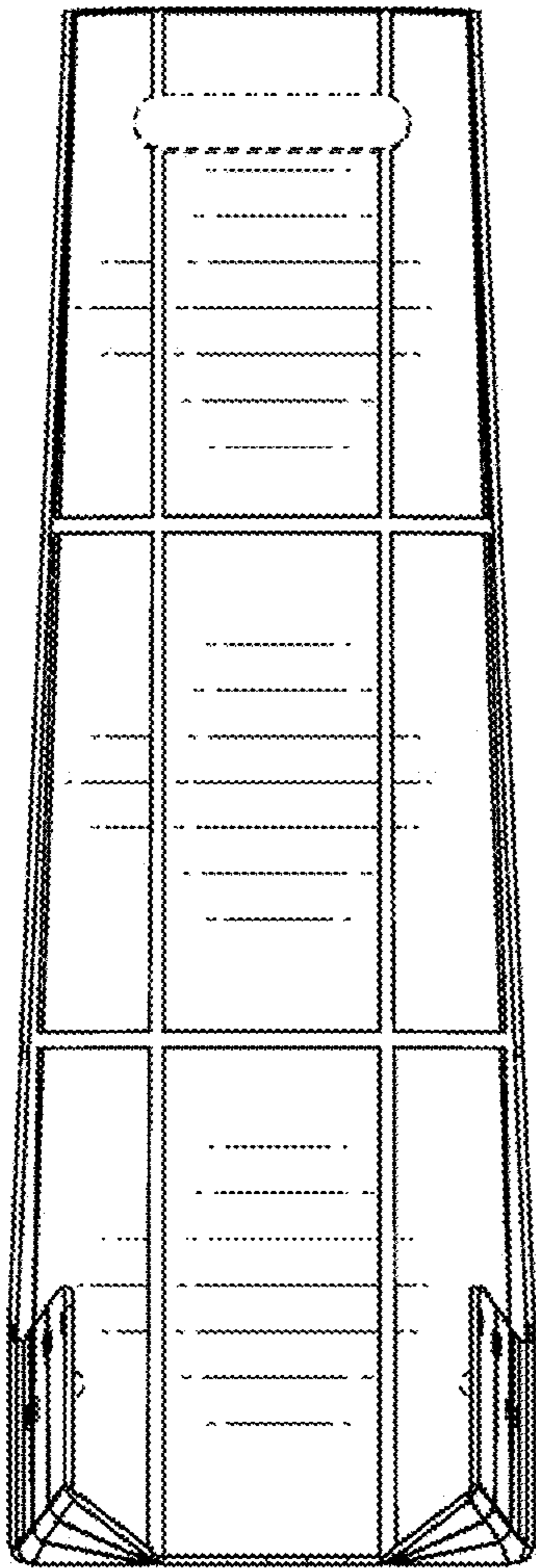


FIG. 44

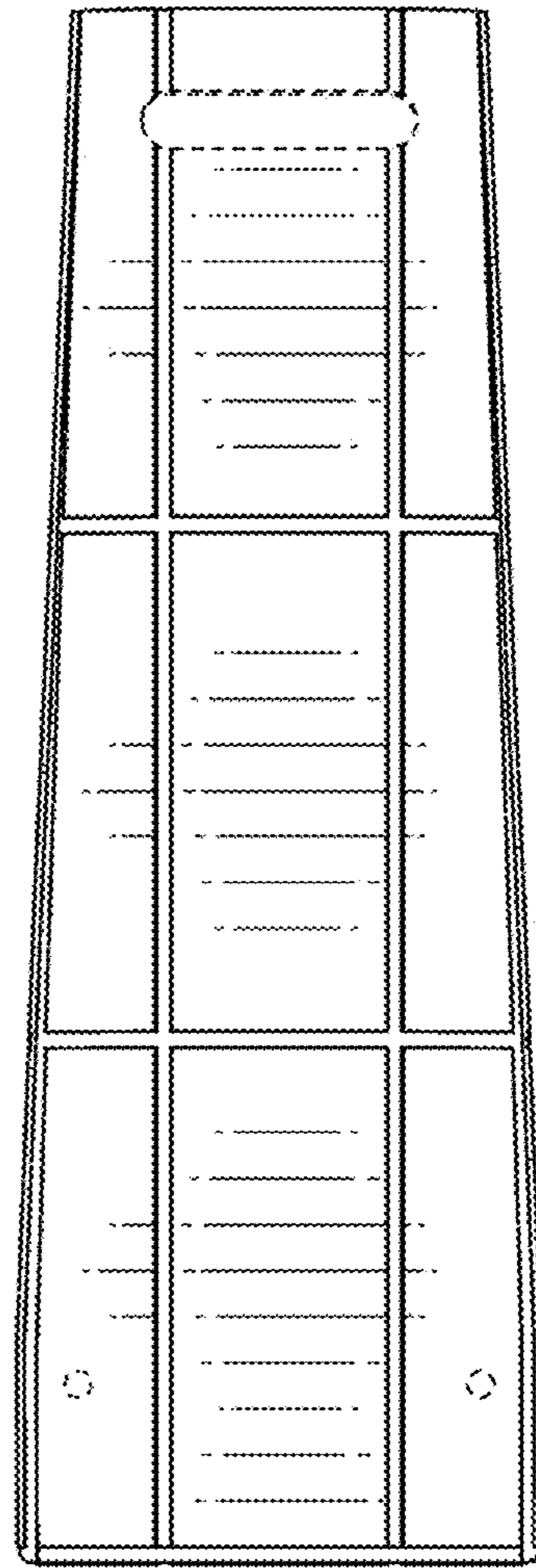


FIG. 45

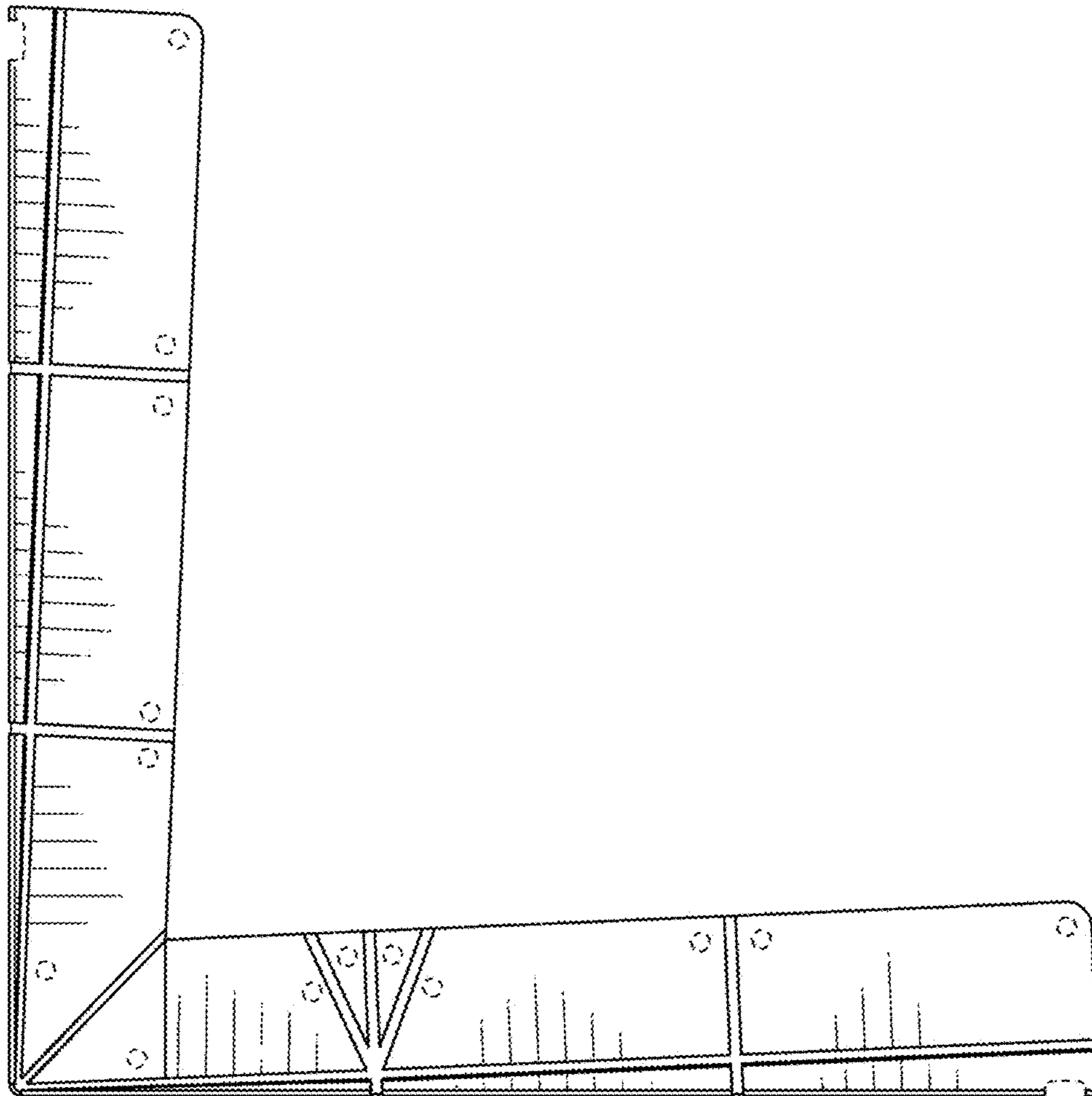


FIG. 46

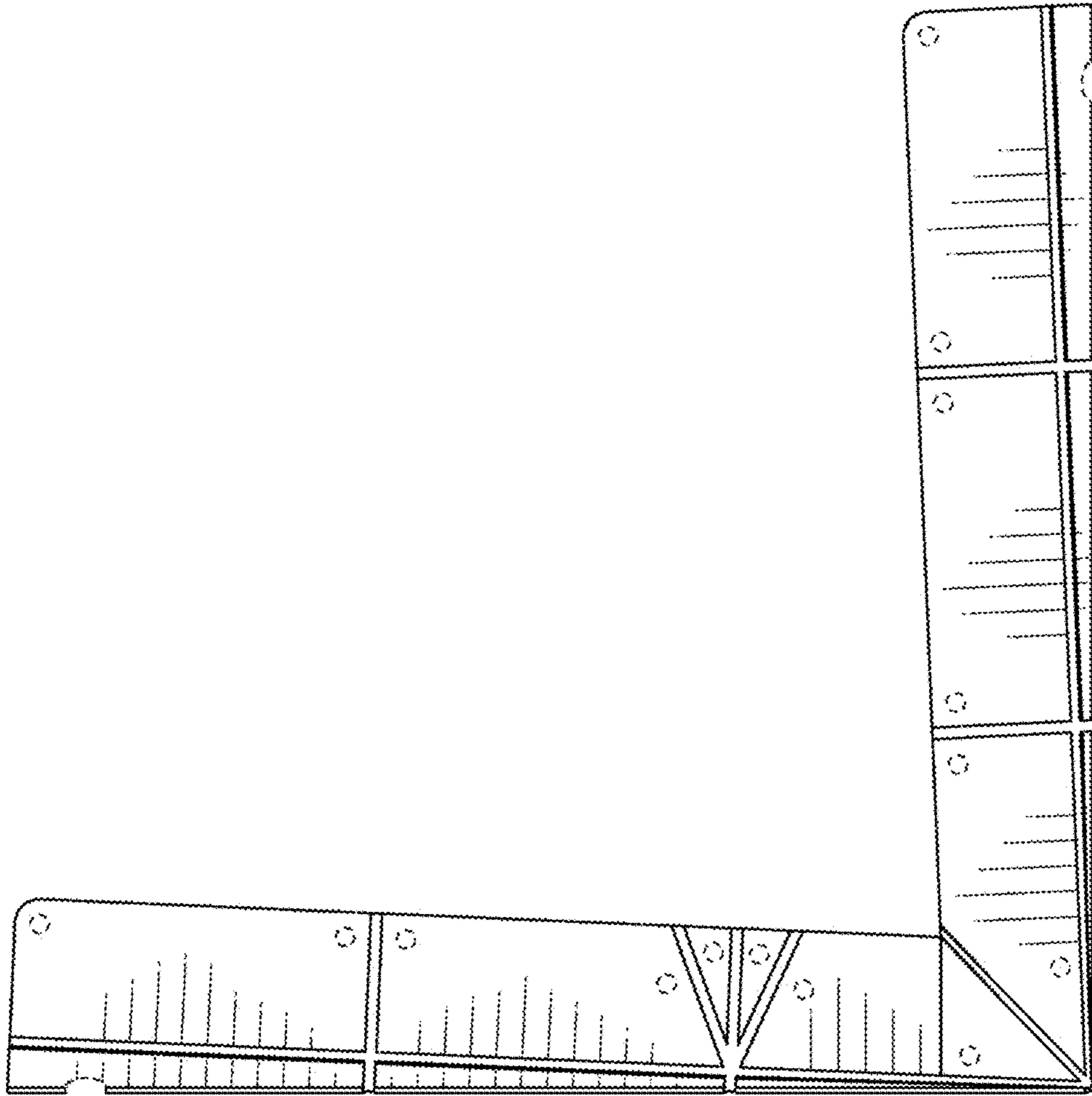


FIG. 47

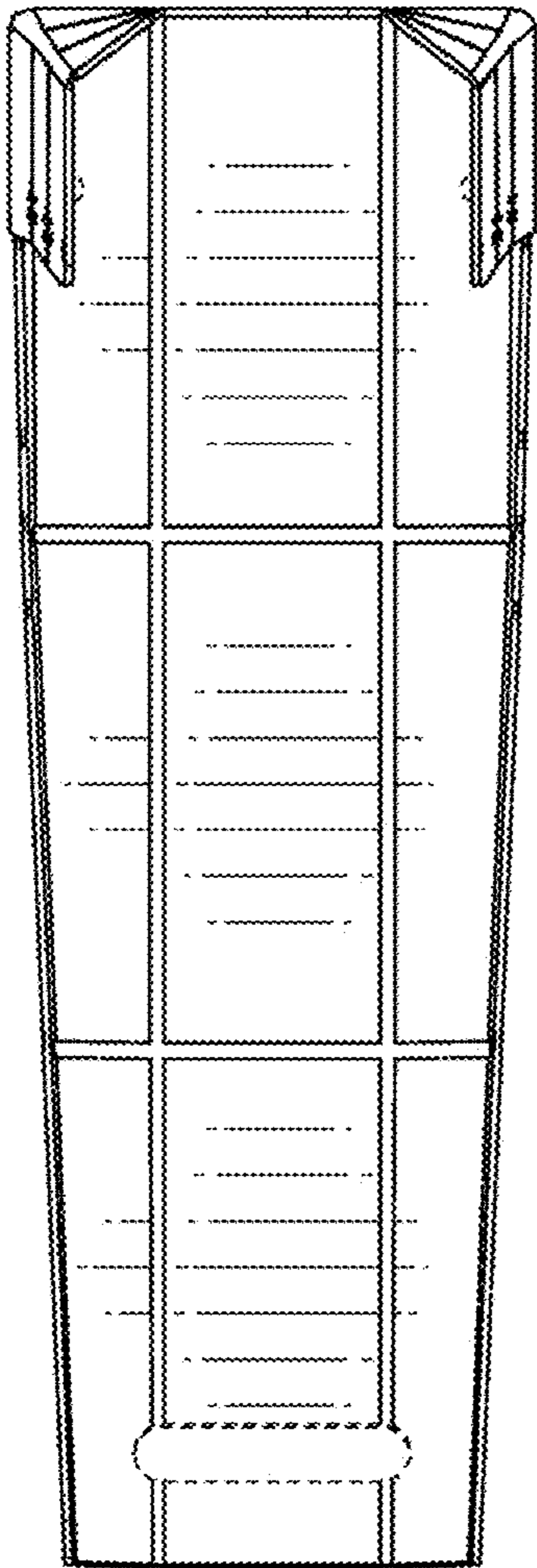


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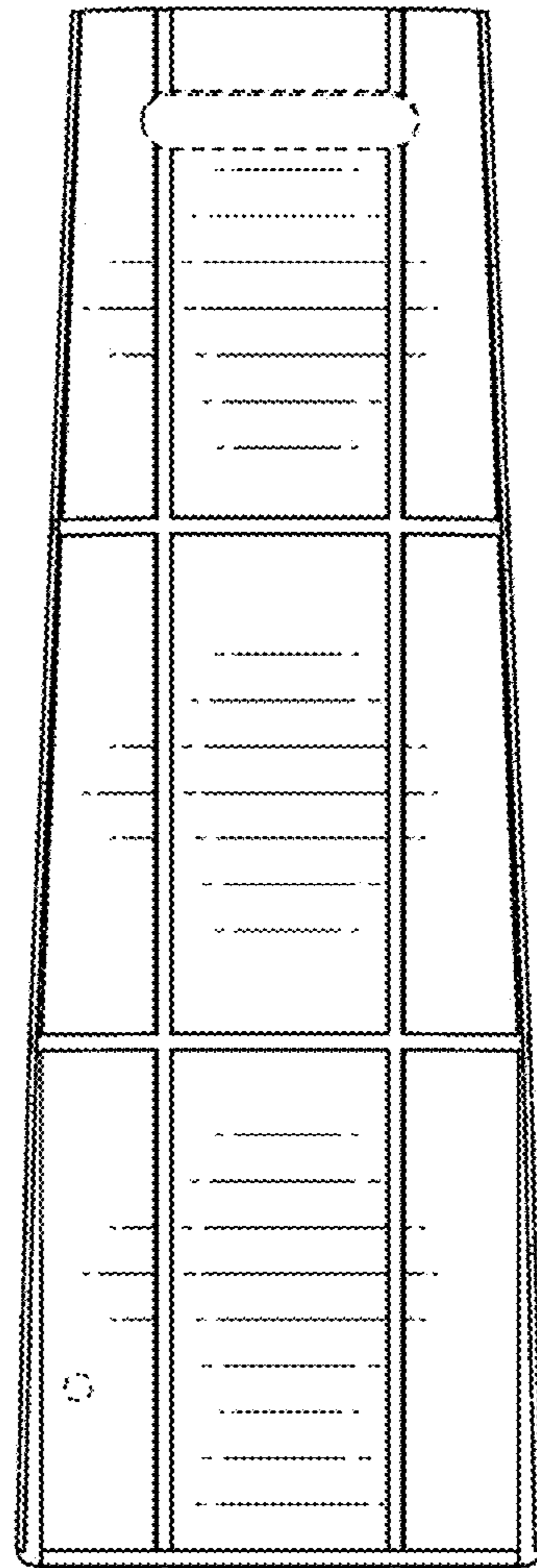


FIG. 49

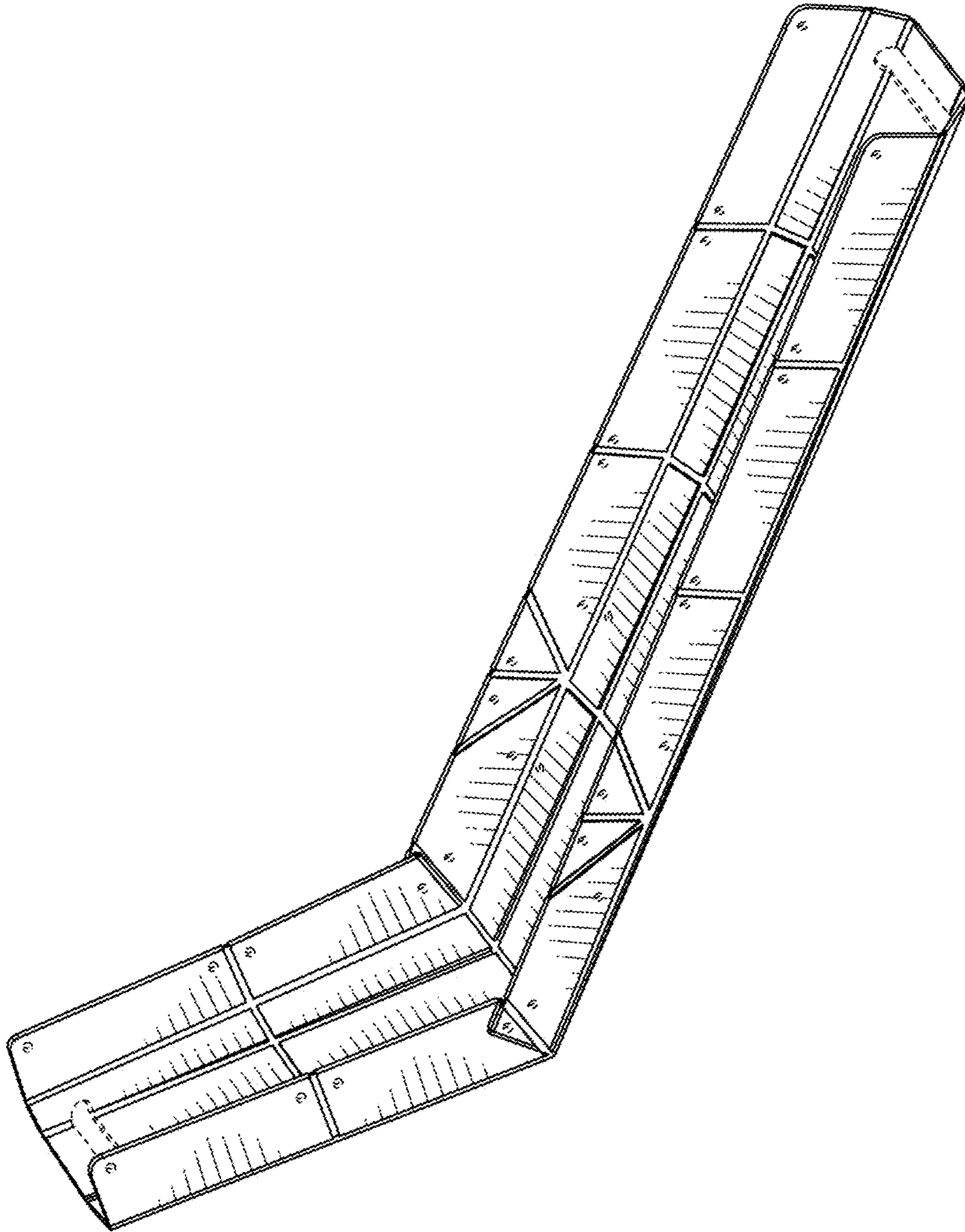


FIG. 50

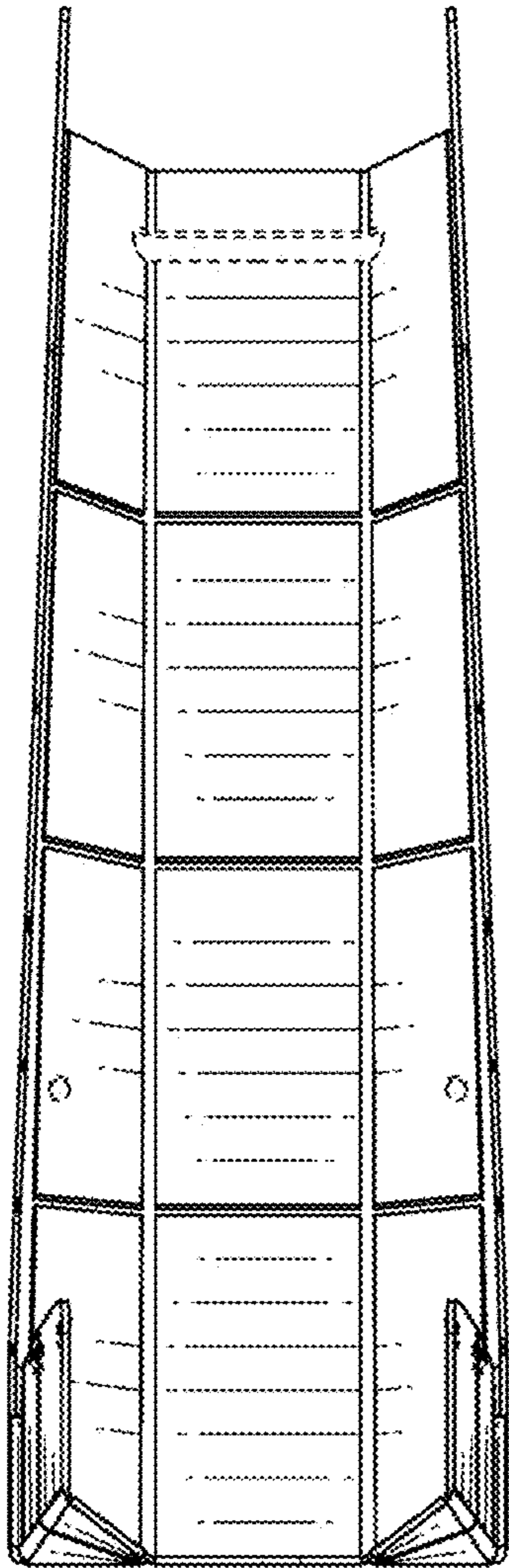


FIG. 51

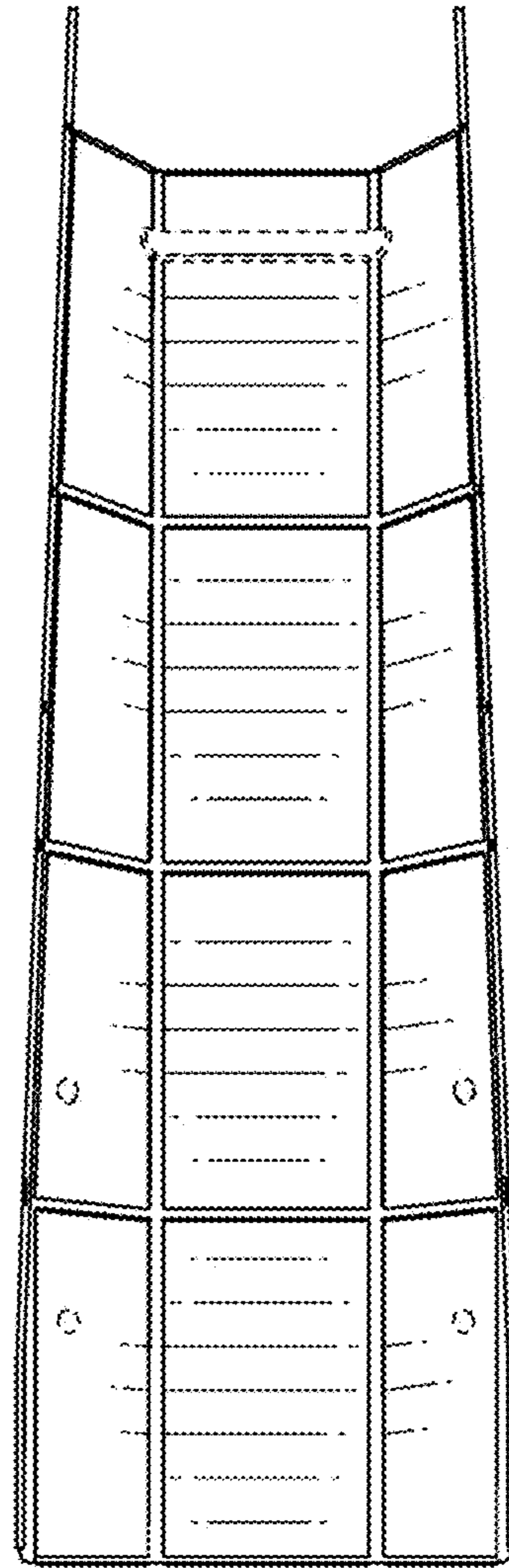


FIG. 52

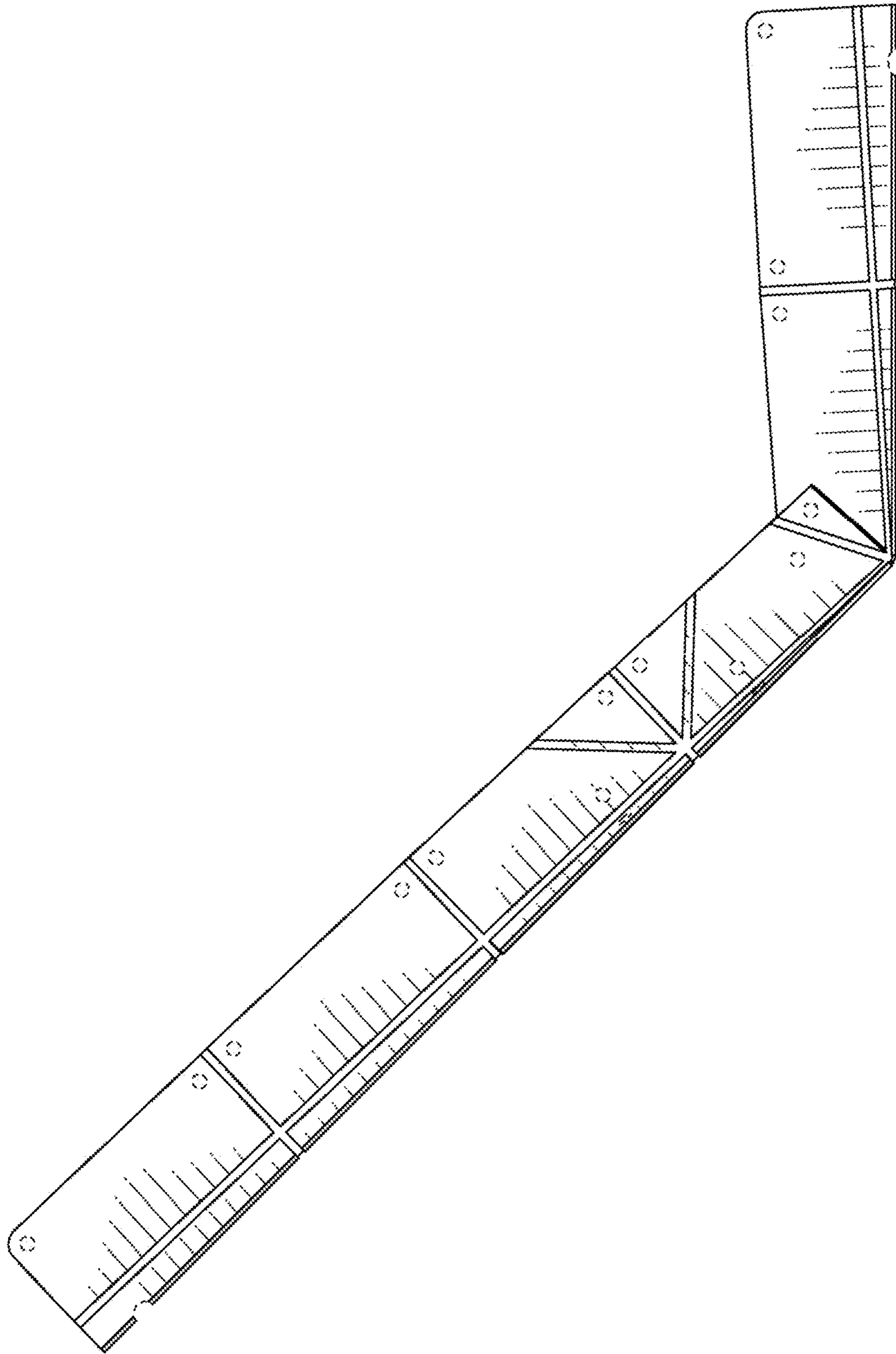


FIG. 53

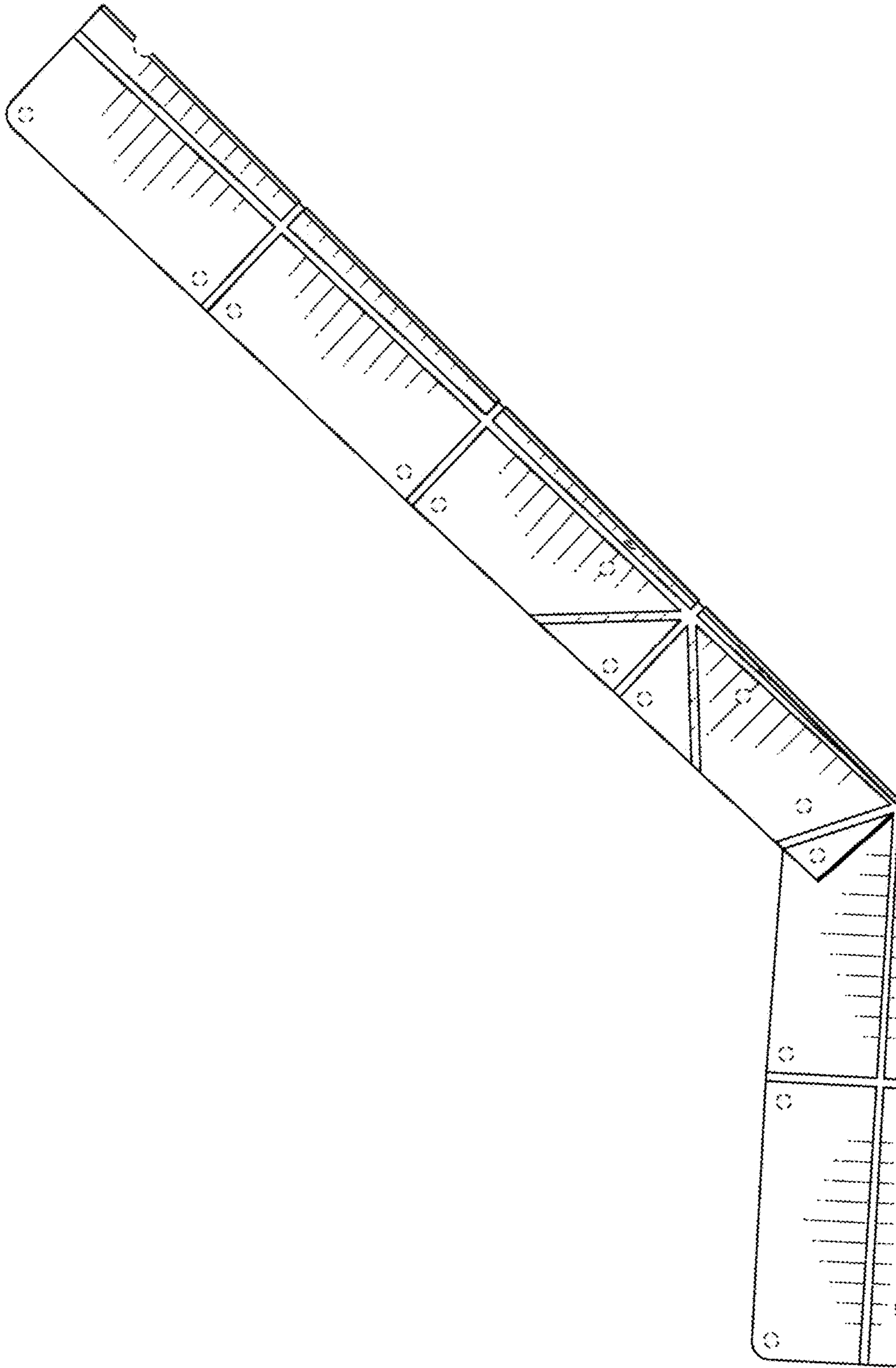


FIG. 54

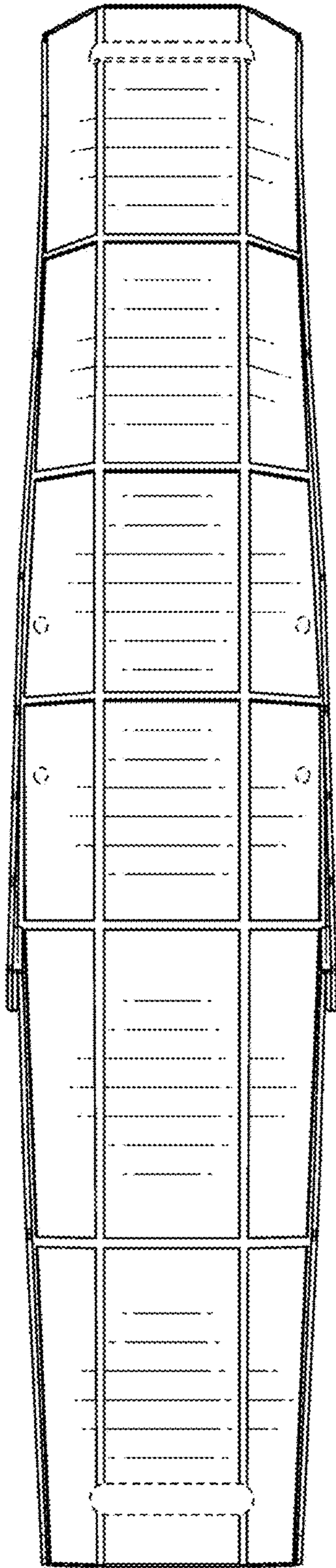


FIG. 55

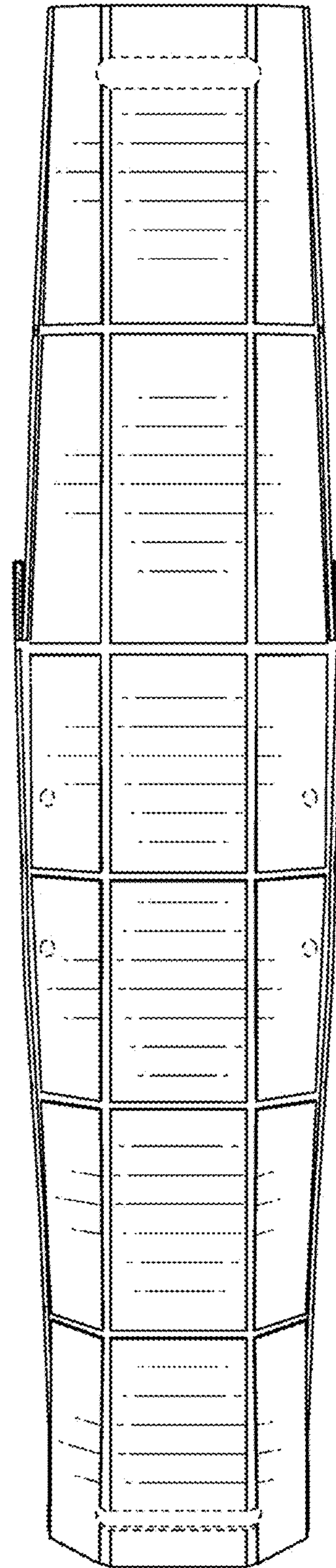


FIG. 56