



US00D685898S

(12) **United States Design Patent**
Platt

(10) **Patent No.:** **US D685,898 S**

(45) **Date of Patent:** **** Jul. 9, 2013**

(54) **FILTER FRAME**

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(73) Assignee: **Diversitech Corporation**, Duluth, GA (US)

(57) **CLAIM**

The ornamental design for a filter frame, as shown and described.

(**) Term: **14 Years**

(21) Appl. No.: **29/435,810**

DESCRIPTION

(22) Filed: **Oct. 29, 2012**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/404,480, filed on Oct. 21, 2011, now abandoned.

(51) **LOC (9) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/365**

(58) **Field of Classification Search**
USPC D23/365, 209, 363, 358, 386, 354, D23/341, 364; 55/385.3, 502, 497, 506, 505, 55/521, 495, 422, 493, DIG. 30; 210/435, 210/130, 136, 248, 339, 448, 452, 497.1; D15/5
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---------------|--------|-----------------|-------|
| 3,075,337 A | 1/1963 | Andreae | |
| 3,941,571 A | 3/1976 | Getzin | |
| 4,008,060 A | 2/1977 | Andreae | |
| 4,728,426 A | 3/1988 | Rudinger et al. | |
| 4,920,867 A * | 5/1990 | Joly | 454/3 |
| 5,051,118 A | 9/1991 | Andreae | |
| 5,505,603 A | 4/1996 | Baracchi et al. | |

(Continued)

FIG. 1 is a top perspective view of a filter frame of the present invention.

FIG. 2 is a top plan view of the filter frame.

FIG. 3 is a detailed top plan view of the filter frame.

FIG. 4 is a bottom plan view of the filter frame.

FIG. 5 is a detailed bottom plan view of the filter frame.

FIG. 6 is an elevation view of the front of the filter frame, the rear view being identical.

FIG. 7 is a side elevation view of the filter frame, the opposite side view being identical.

FIG. 8 is a detailed cutaway view of the side of the filter frame showing four representative ridges corresponding to the four rightmost ridges in FIG. 7.

FIG. 9 is a detailed top perspective view of the filter frame.

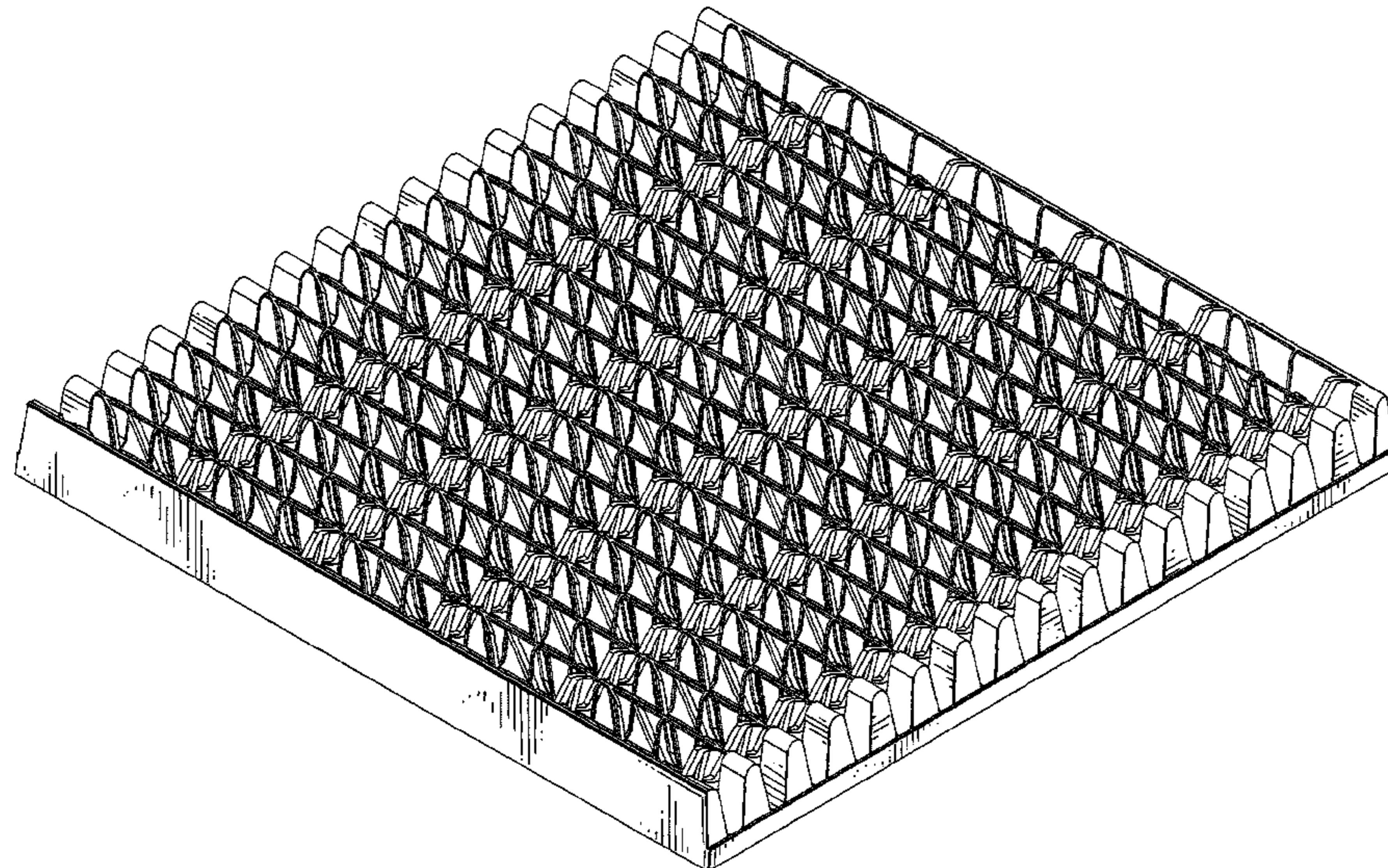
FIGS. 10-17 are detailed top perspective views of the filter frame as the filter frame is rotated in sequence from a shallow front perspective view to a top perspective view.

FIG. 18 is a detailed front perspective view of the filter frame.

FIG. 19 is a detailed top perspective view of the filter frame; and,

FIG. 20 is a detailed top perspective view of the filter frame. The dash dot lines immediately adjacent to the claimed areas in the enlarged detail views represents the cutaway of the enlarged areas and form no part of the claimed design.

1 Claim, 16 Drawing Sheets

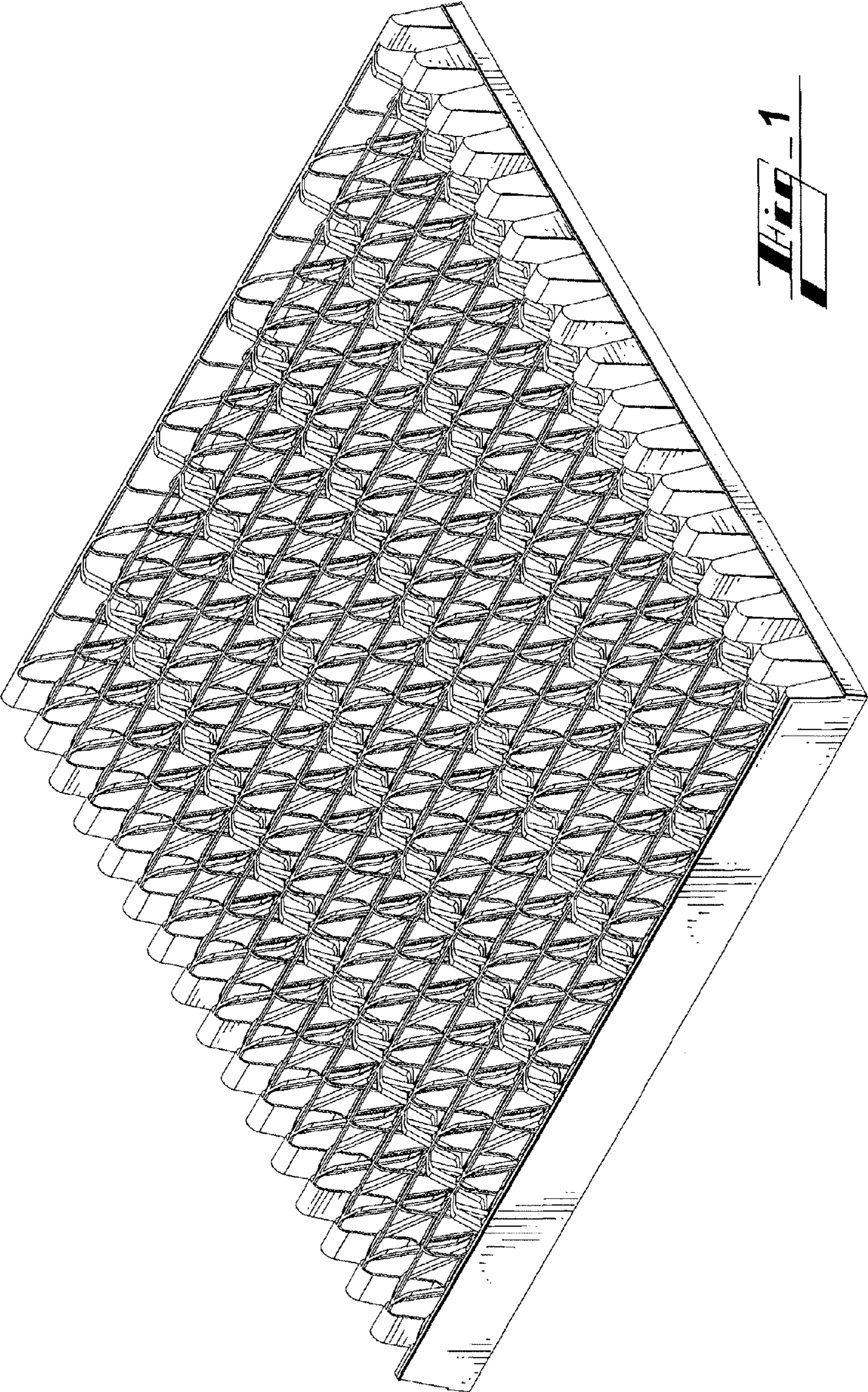


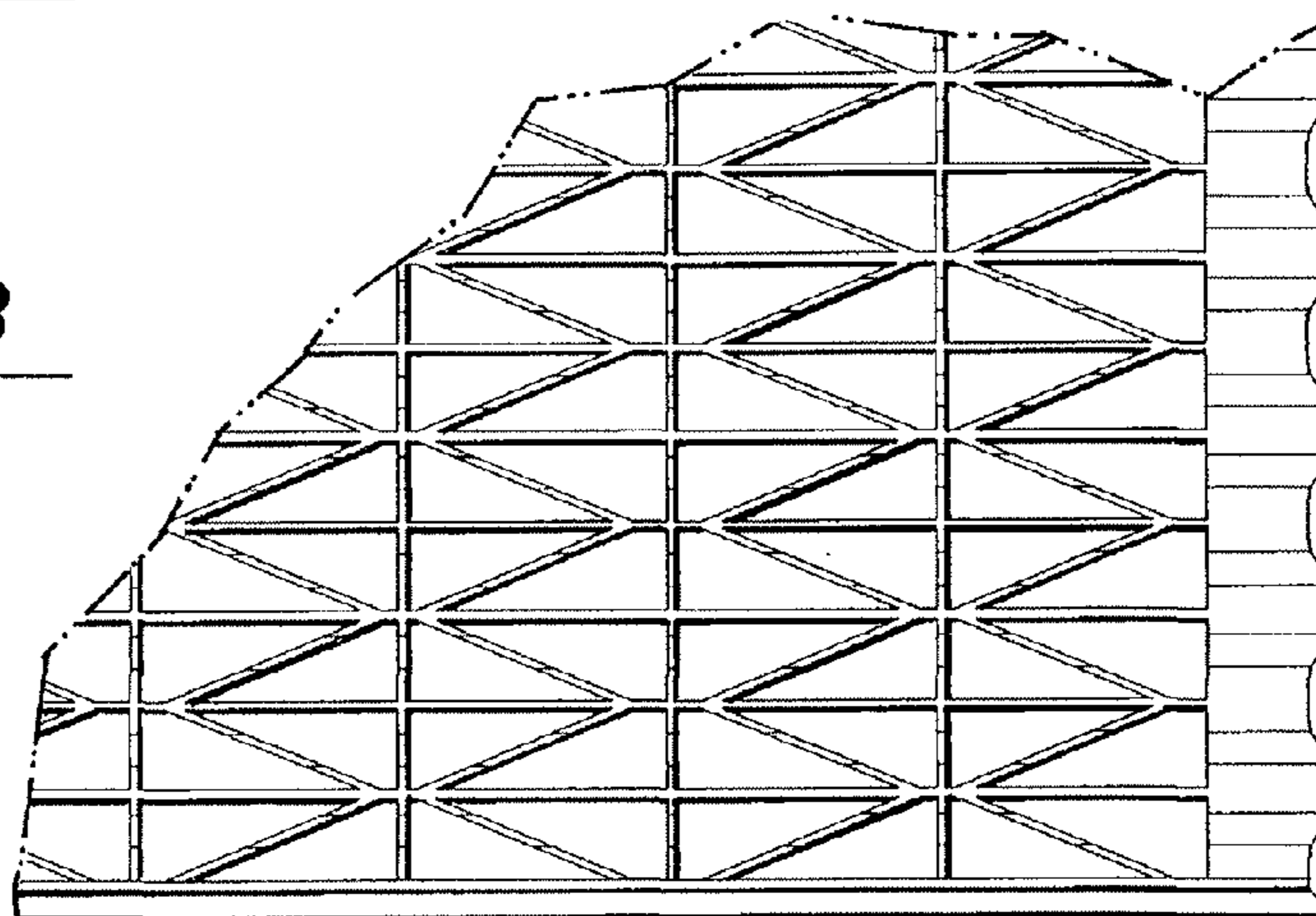
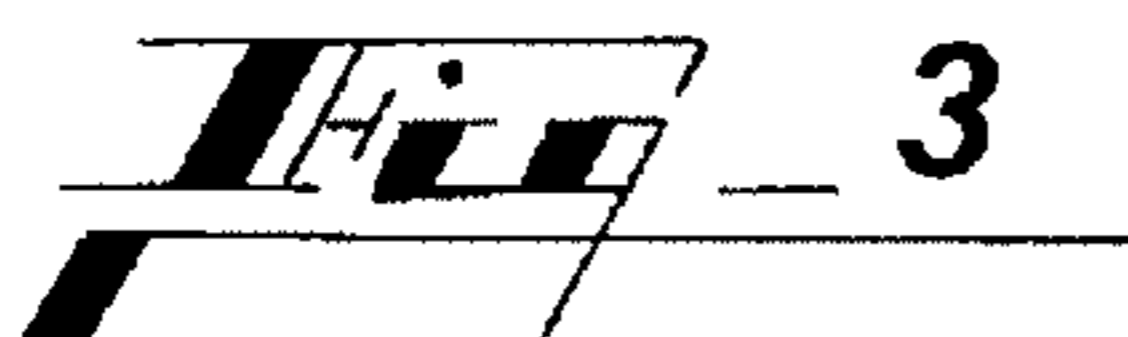
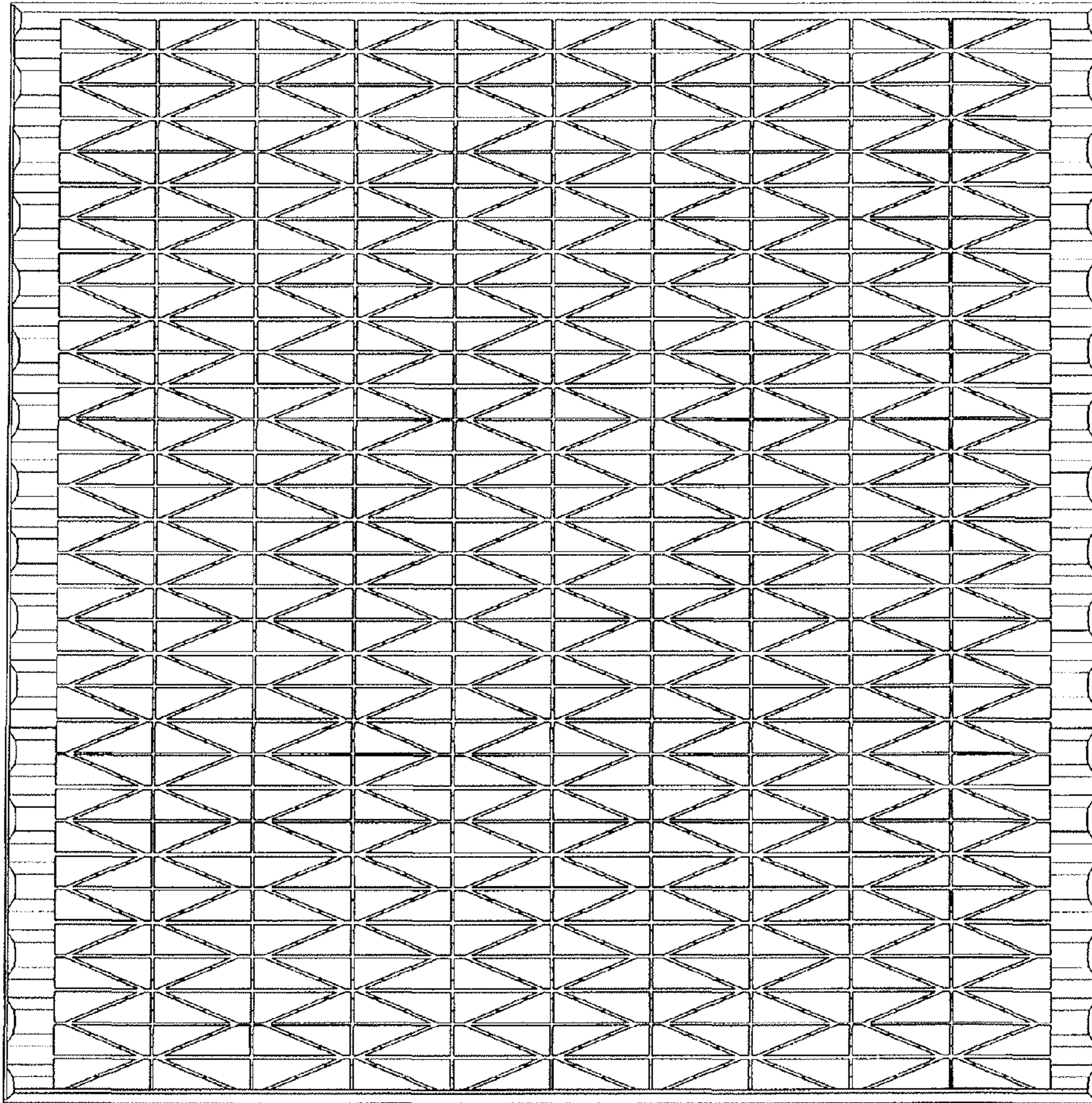
US D685,898 S

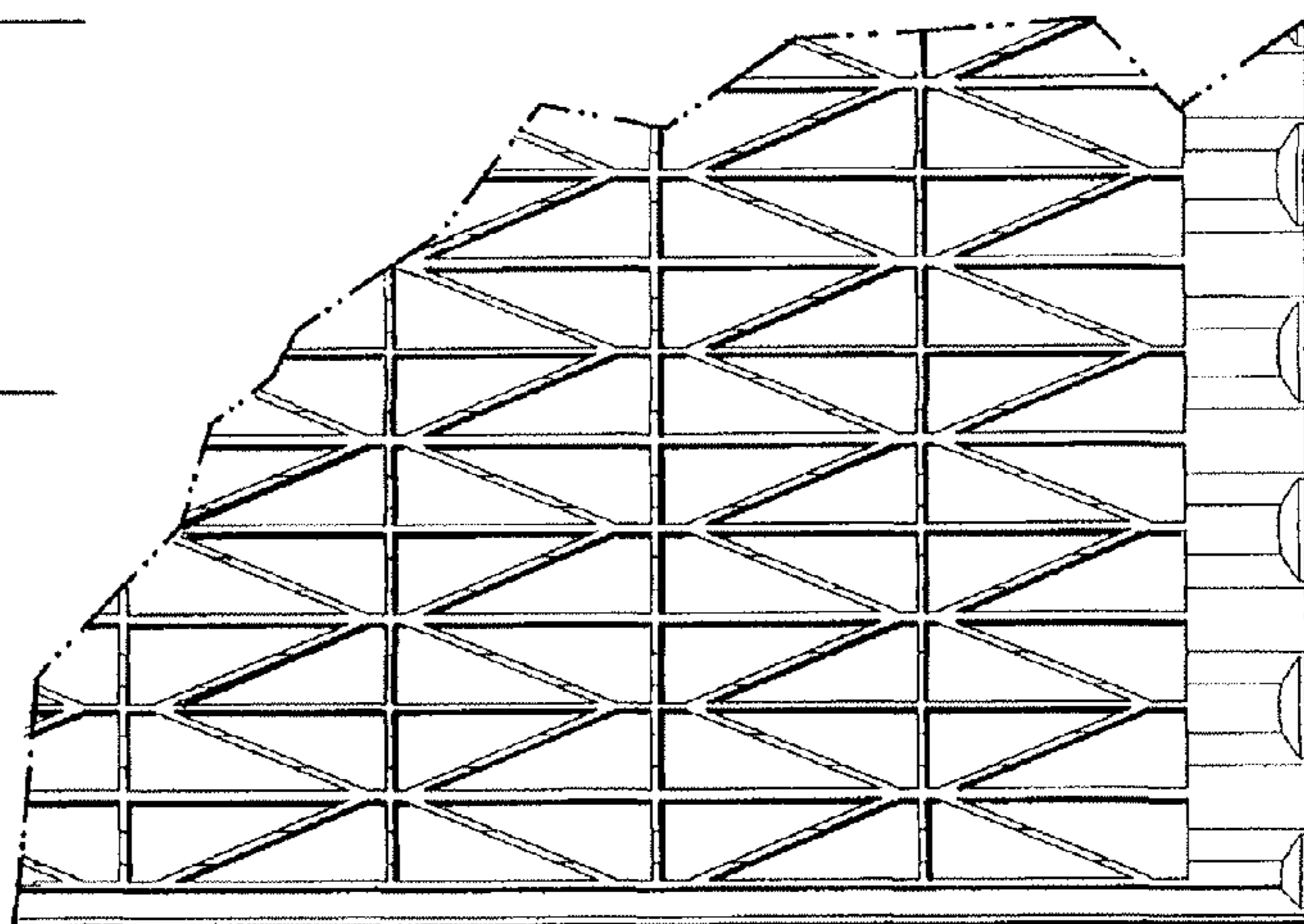
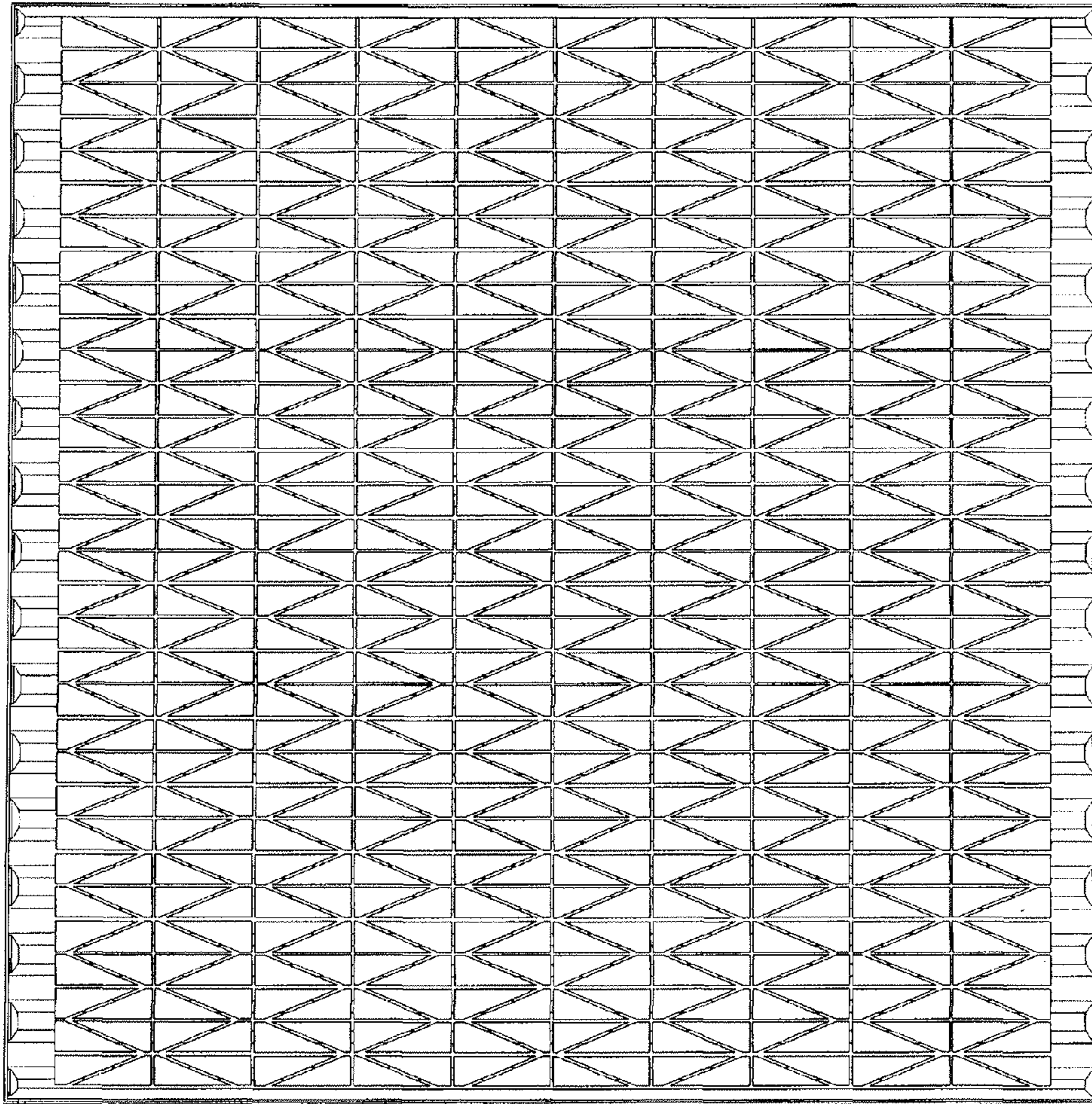
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| U.S. PATENT DOCUMENTS | | | | | | | | | |
|-----------------------|------|---------|----------------------|--------------|--------------|---------|----------------------|-----------------------|---------|
| 5,512,172 | A | 4/1996 | Marble | D628,266 | S * | 11/2010 | Dittmann et al. | D23/209 | |
| D397,777 | S | 9/1998 | Mack, Jr. | D628,267 | S * | 11/2010 | Dittmann et al. | D23/209 | |
| 5,810,898 | A | 9/1998 | Miller | D628,268 | S * | 11/2010 | Dittmann et al. | D23/209 | |
| 5,997,991 | A | 12/1999 | Kato et al. | D628,269 | S * | 11/2010 | Dittmann et al. | D23/209 | |
| D439,716 | S | 3/2001 | Wright | D628,673 | S * | 12/2010 | Dittmann et al. | D23/209 | |
| 6,273,938 | B1 * | 8/2001 | Fanselow et al. | 95/90 | D628,674 | S * | 12/2010 | Dittmann et al. | D23/209 |
| D449,100 | S | 10/2001 | Sundet et al. | D634,413 | S | 3/2011 | Wallace | | |
| 6,299,529 | B1 | 10/2001 | Preston | 2001/0032545 | A1 | 10/2001 | Goto et al. | | |
| 6,328,778 | B1 | 12/2001 | Richerson et al. | 2002/0089084 | A1 | 7/2002 | Kandel | | |
| 6,352,579 | B1 * | 3/2002 | Hirata et al. | 96/134 | 2005/0138906 | A1 | 6/2005 | Kubokawa et al. | |
| D511,377 | S * | 11/2005 | Erwan et al. | D23/393 | 2006/0249443 | A1 | 11/2006 | Chilton et al. | |
| D518,143 | S * | 3/2006 | Weidler et al. | D23/209 | 2007/0271887 | A1 | 11/2007 | Osborne et al. | |
| D523,110 | S * | 6/2006 | Anderson | D23/209 | 2007/0289274 | A1 | 12/2007 | Justice et al. | |
| D616,960 | S | 6/2010 | Konkey | | 2008/0203614 | A1 | 8/2008 | Holzmann et al. | |
| 7,758,666 | B2 | 7/2010 | Meerpohl | | 2008/0276805 | A1 | 11/2008 | Lotgerink-Bruinenberg | |
| 7,771,517 | B2 * | 8/2010 | Dralle | 95/273 | | | | | |

* cited by examiner







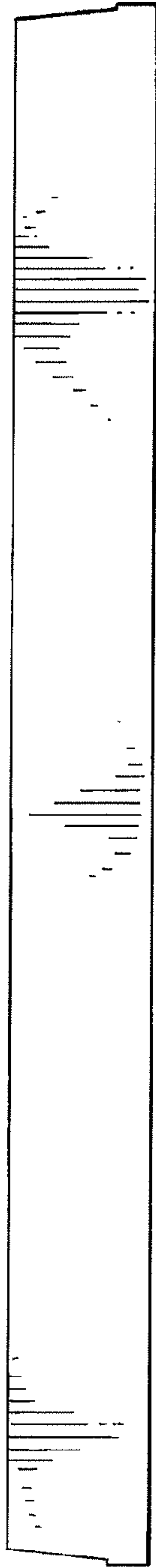


Fig. 6

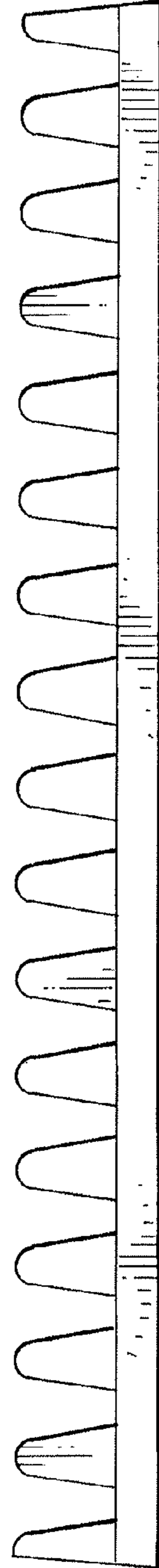


Fig. 7

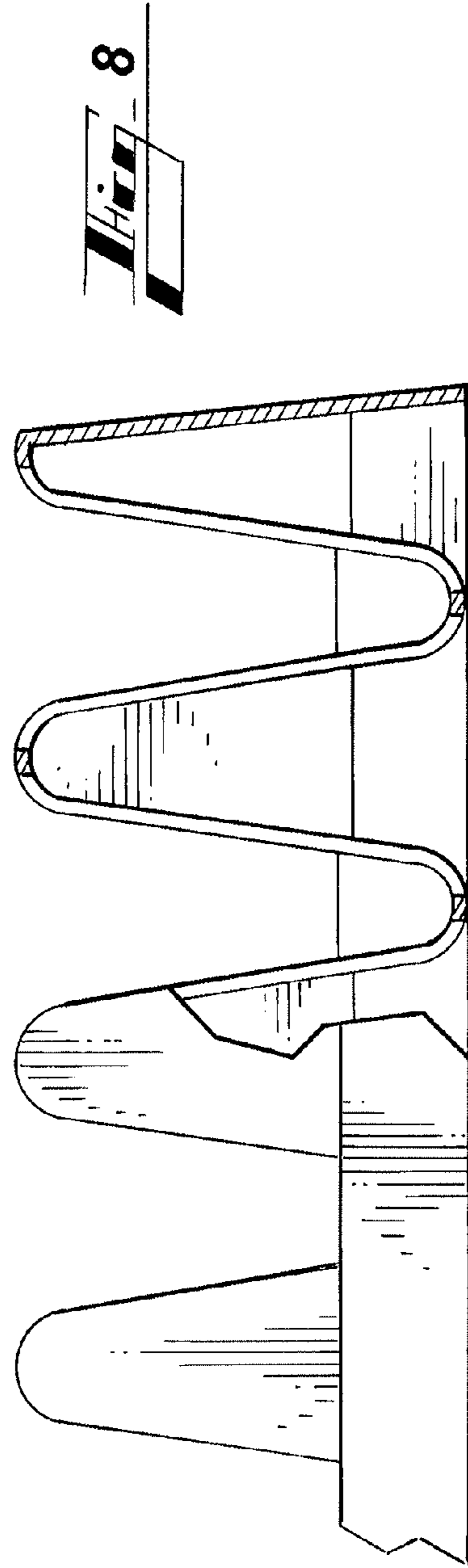


Fig. 8

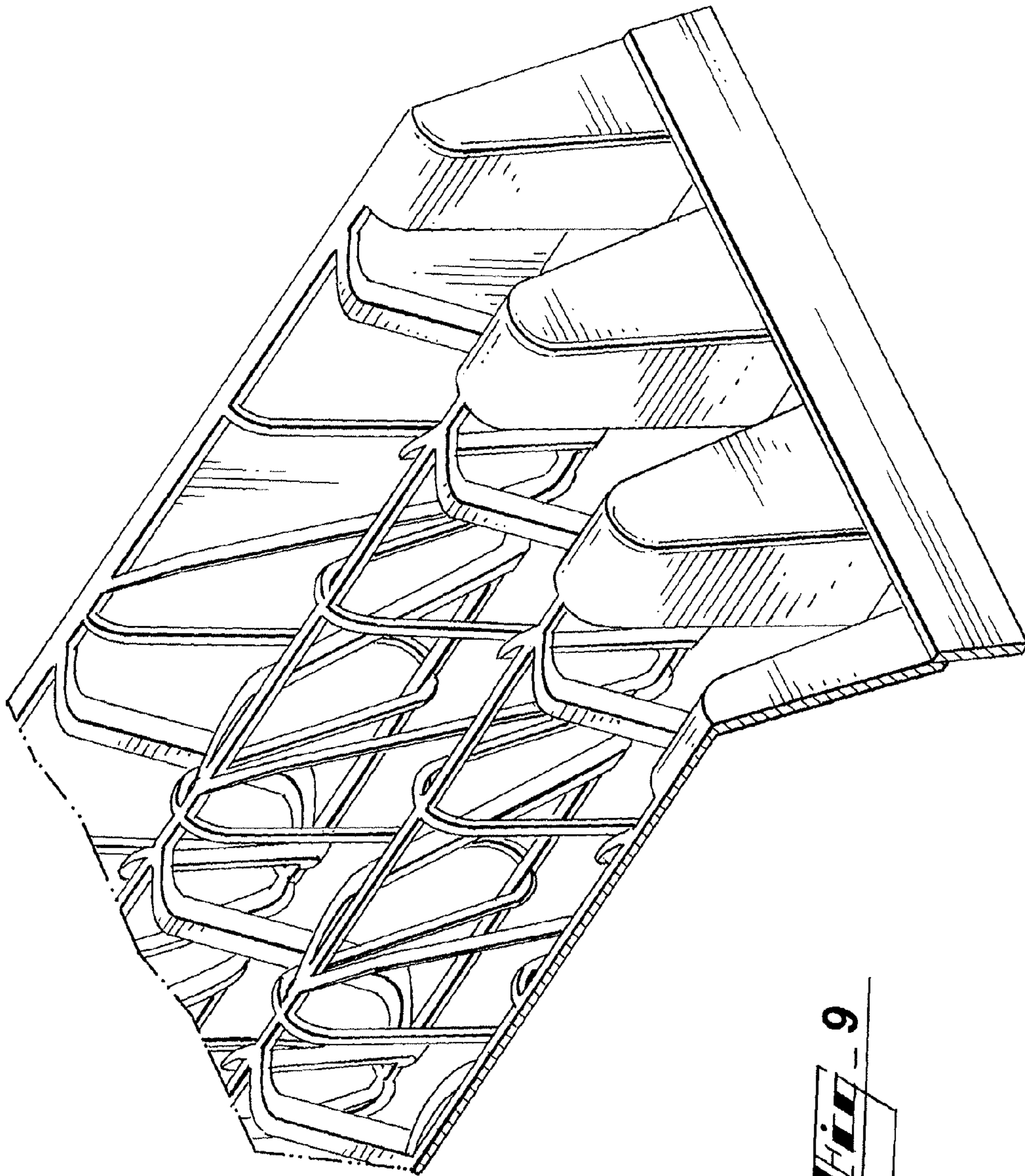


FIG. 9

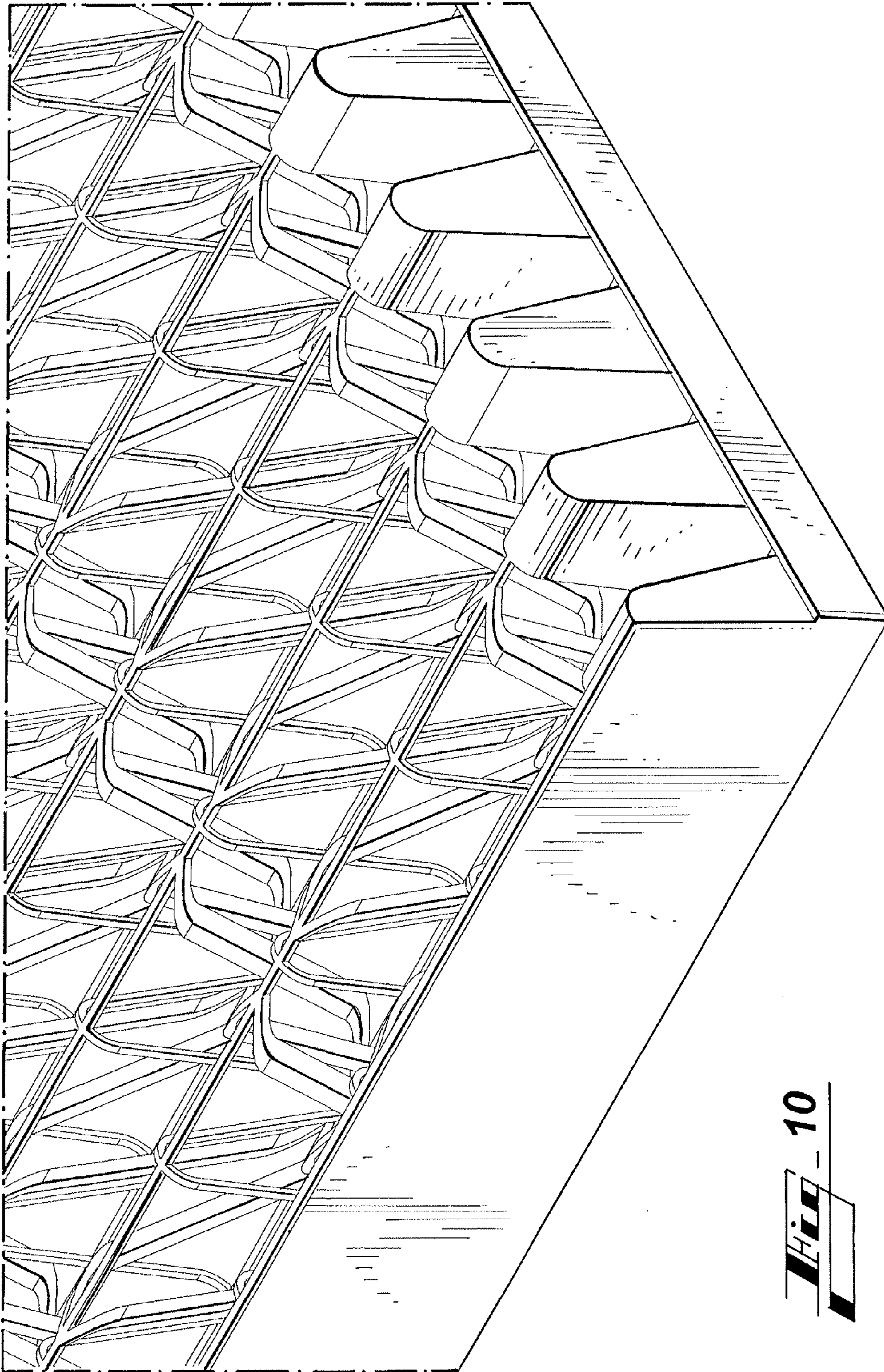


FIG. 10

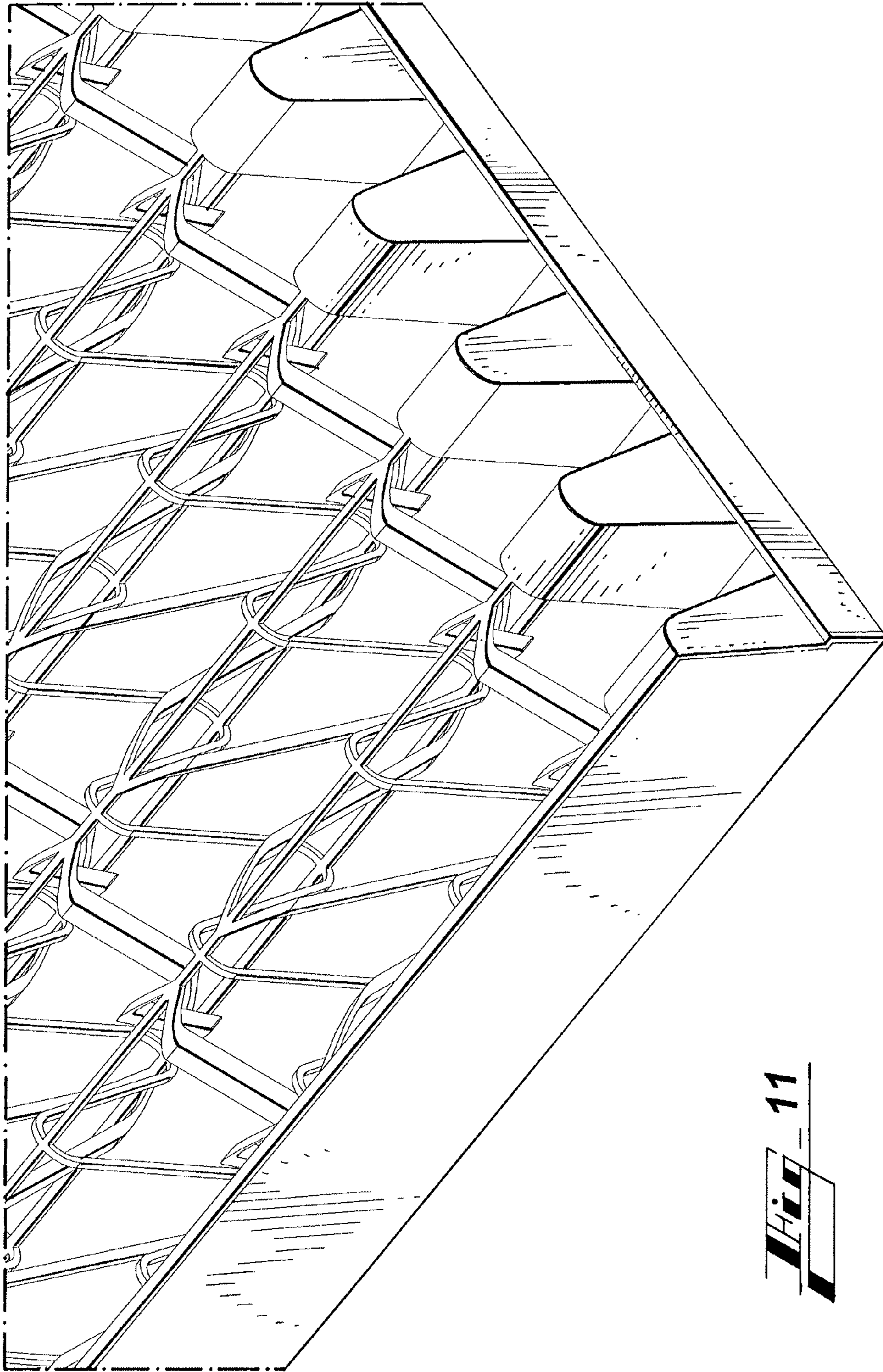


FIG. 11

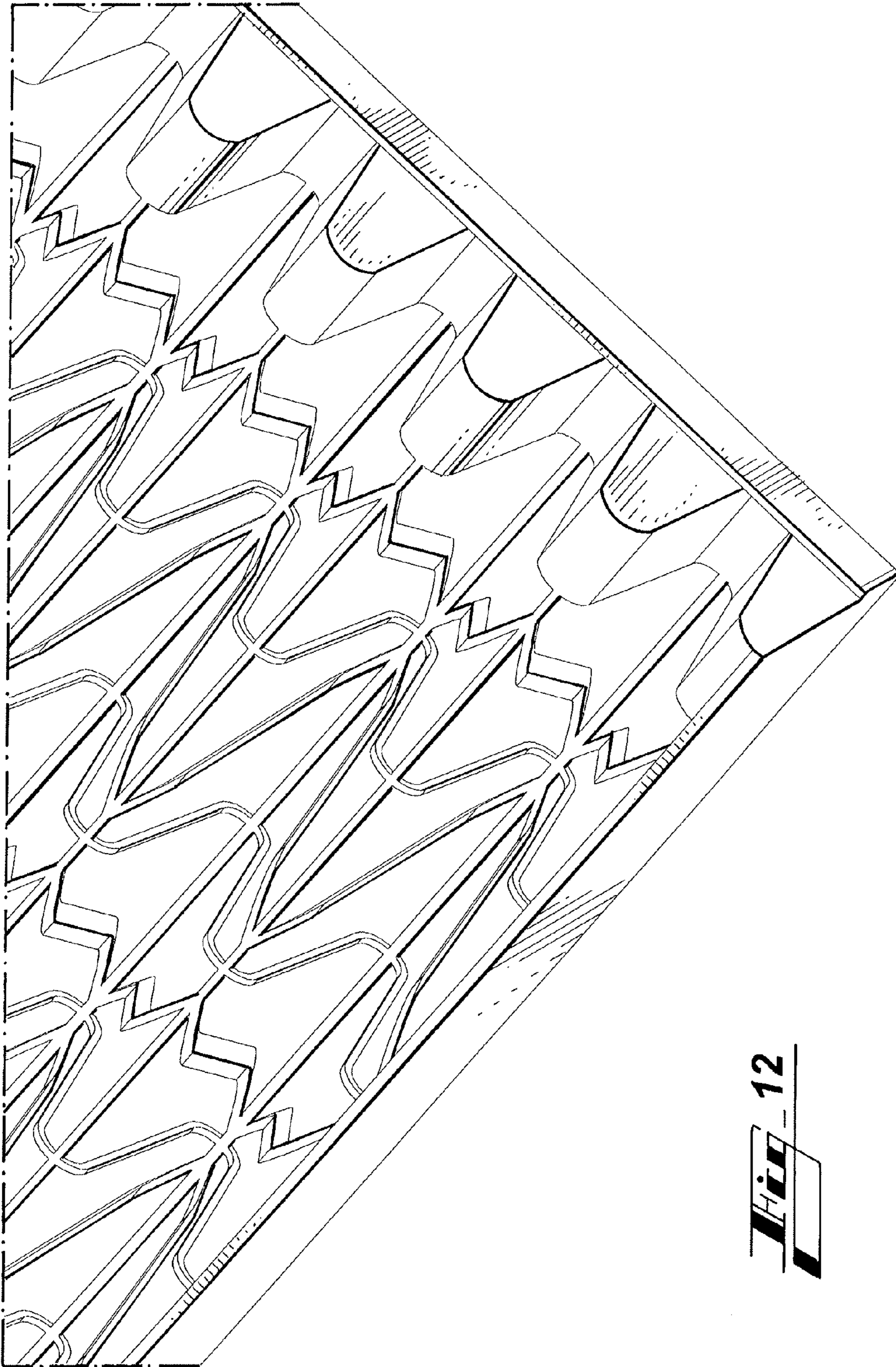
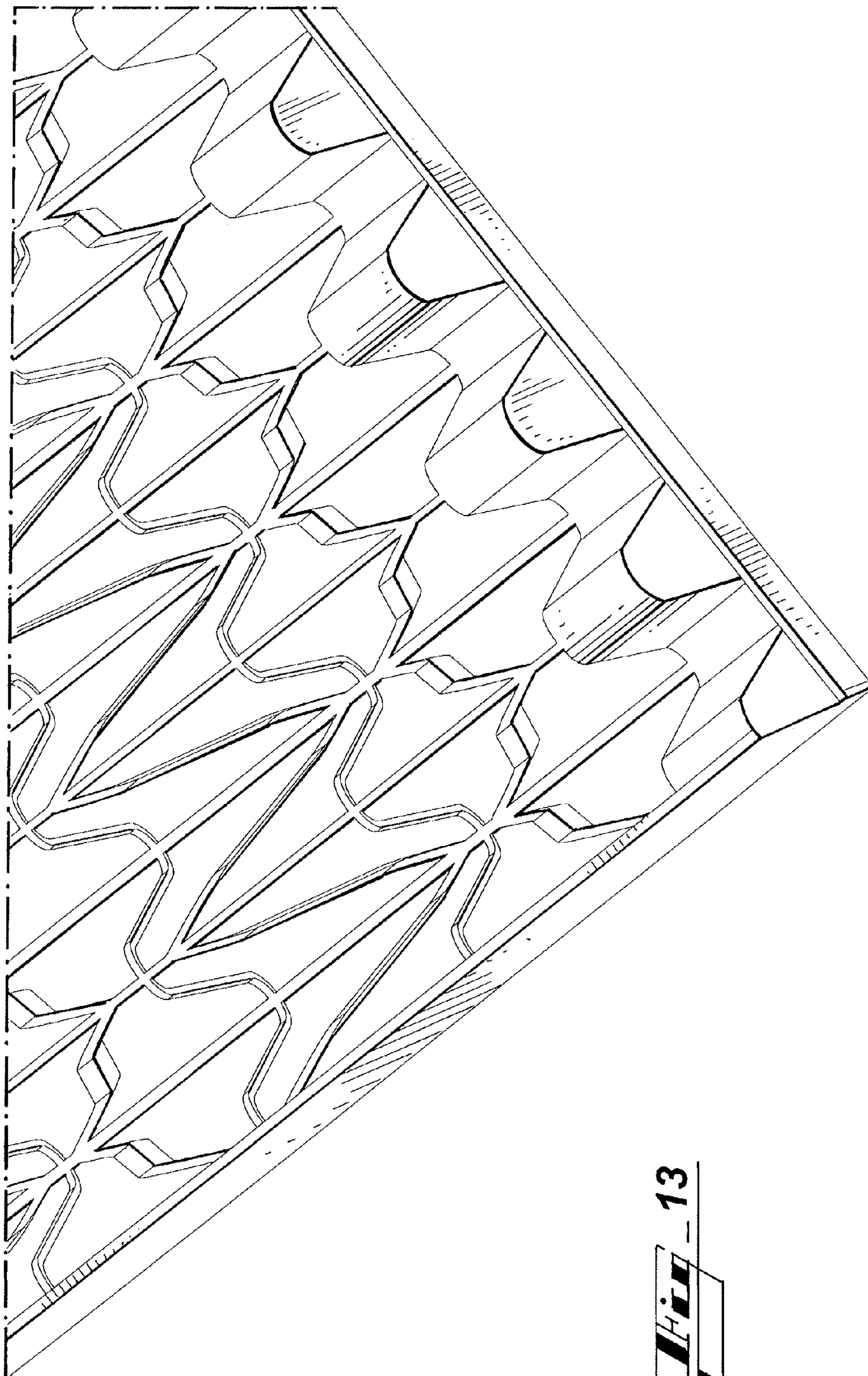


FIG. 12



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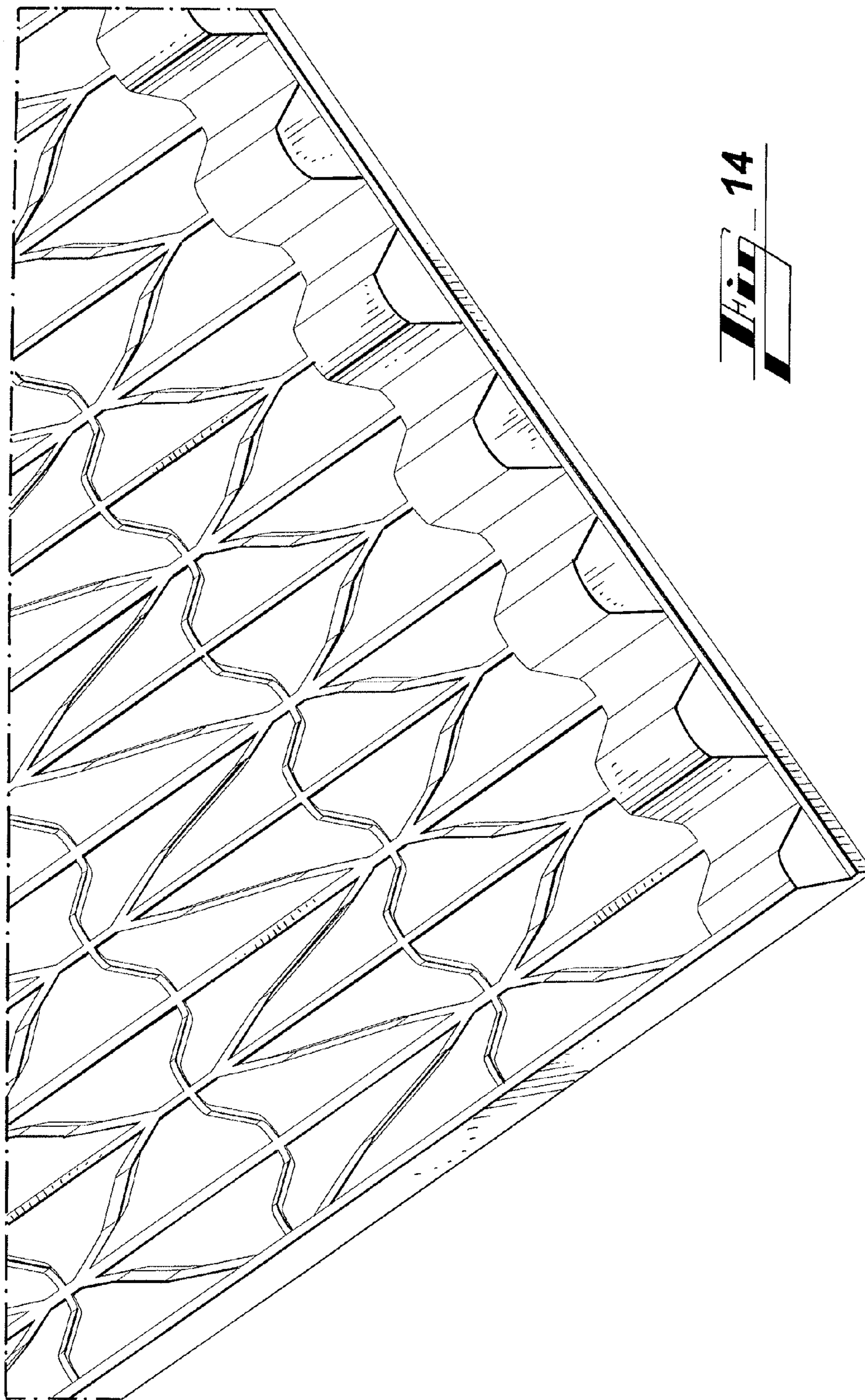


Fig. 14

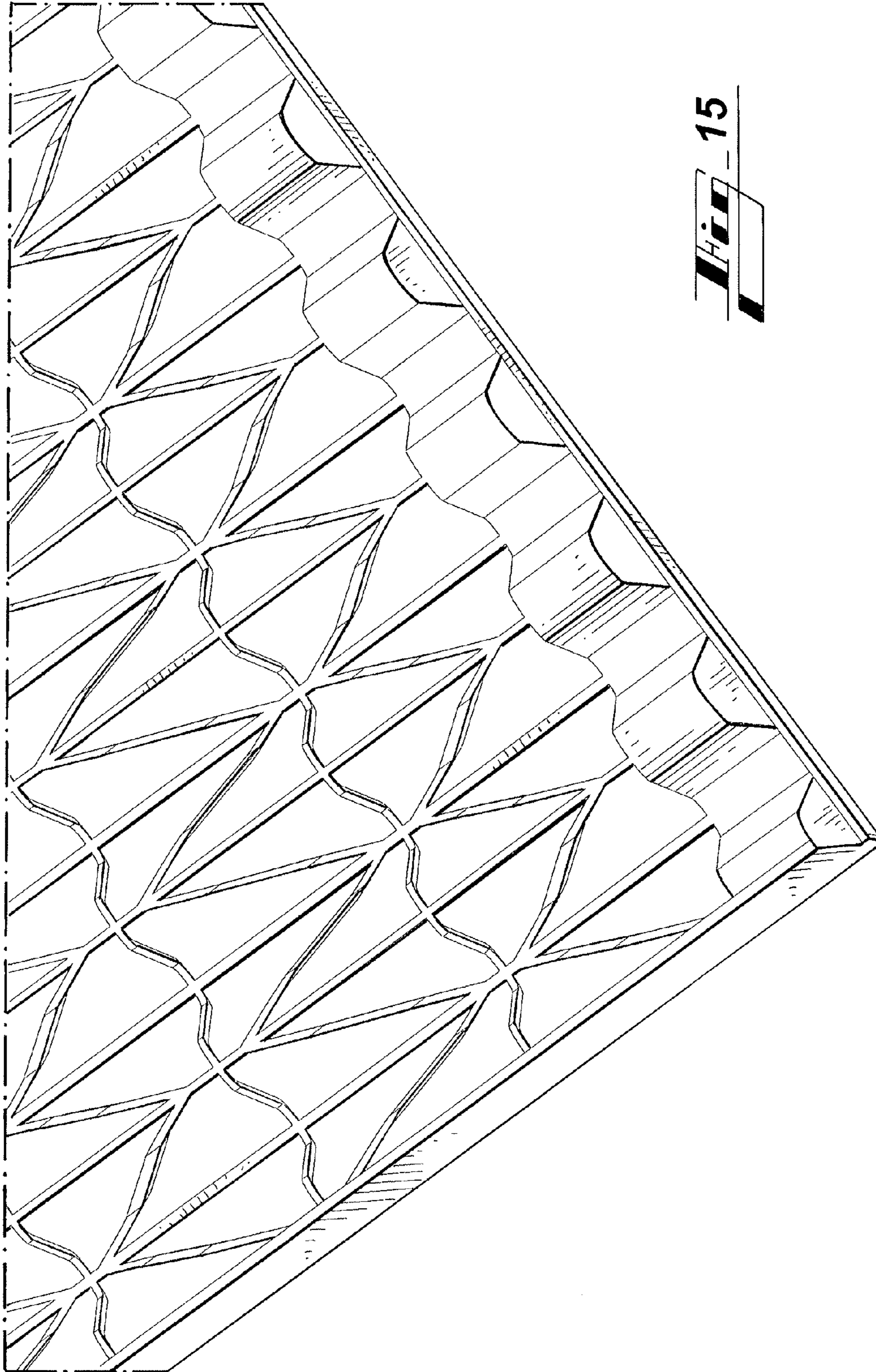


FIG. 15

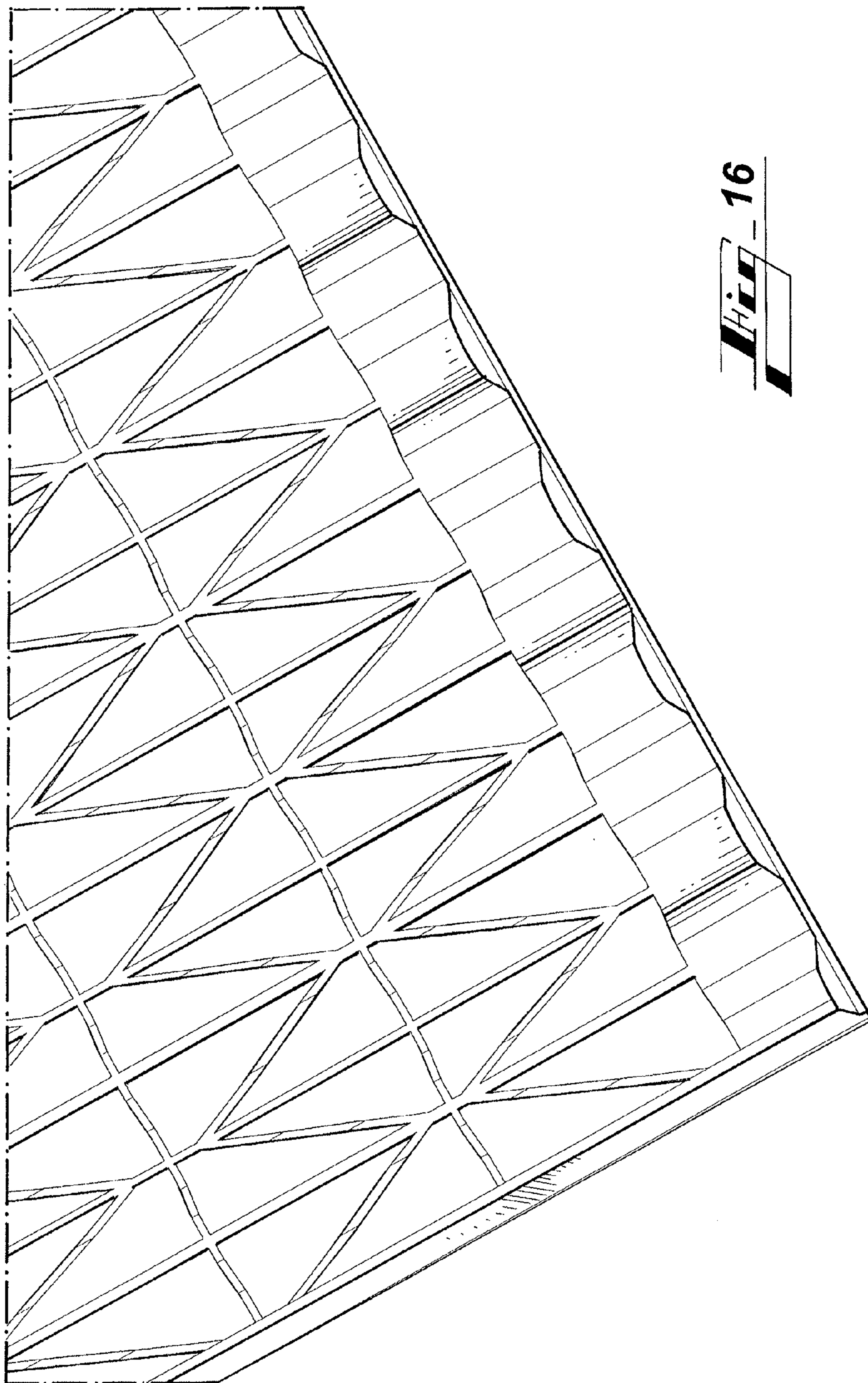
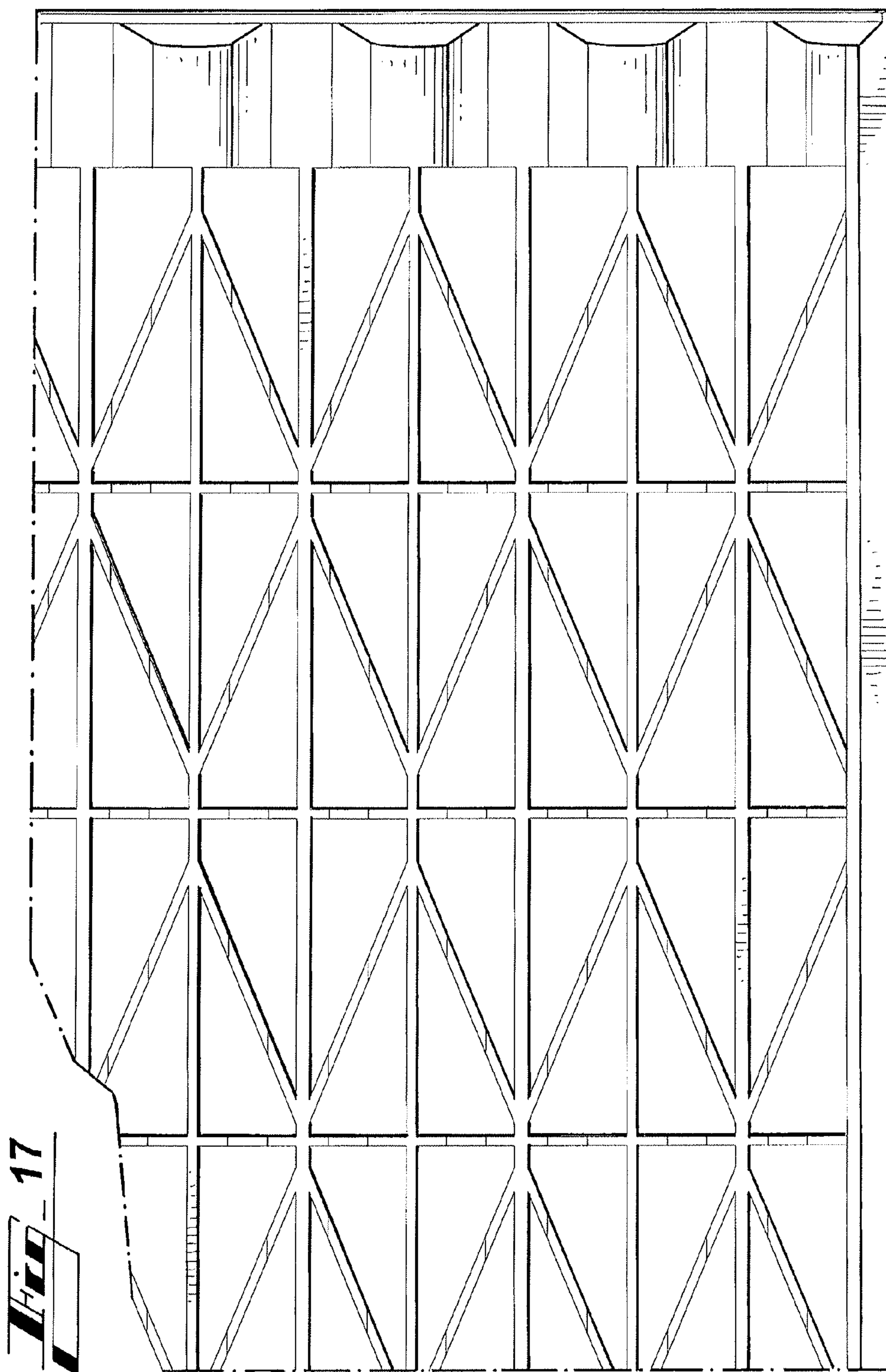
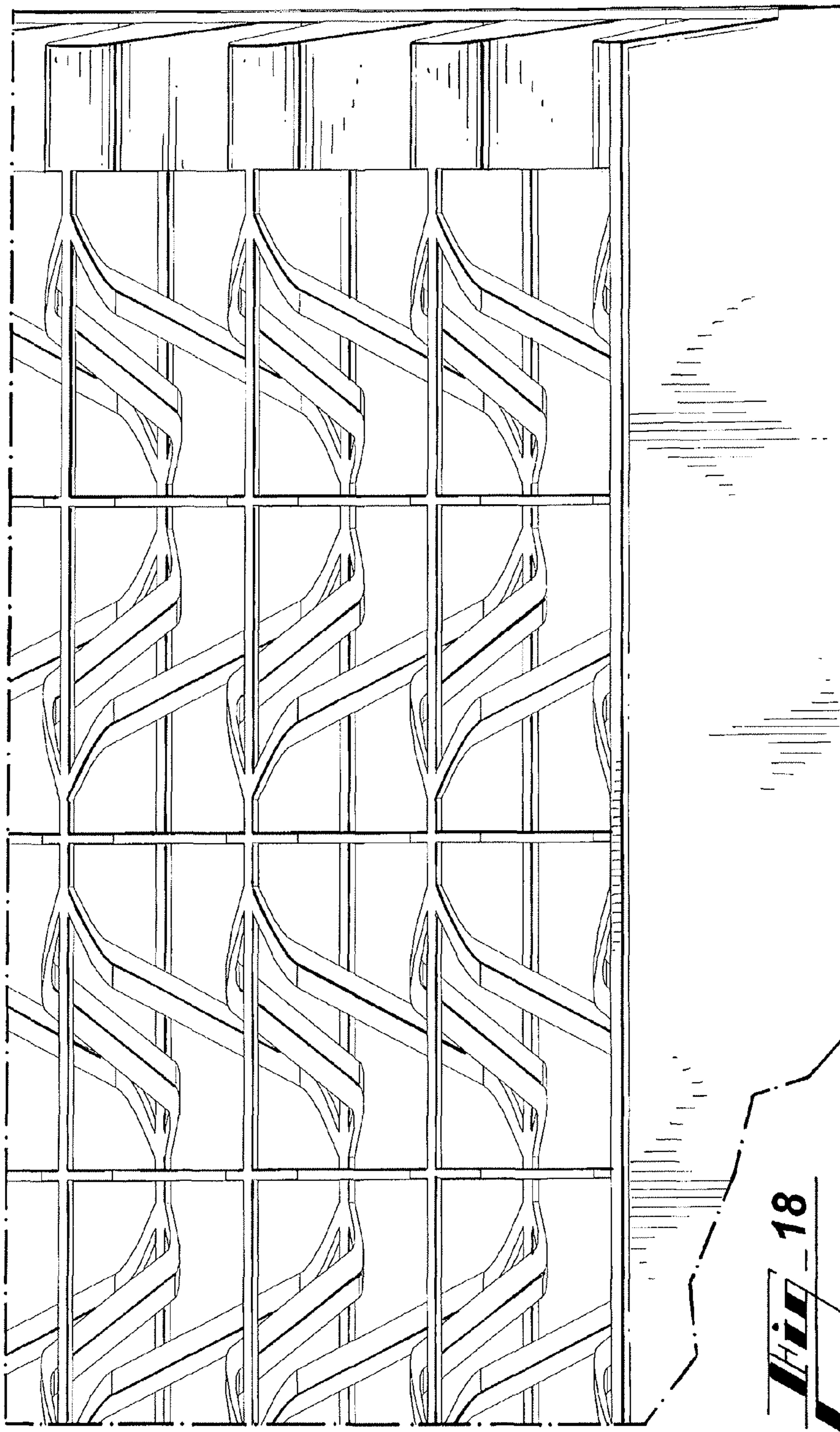
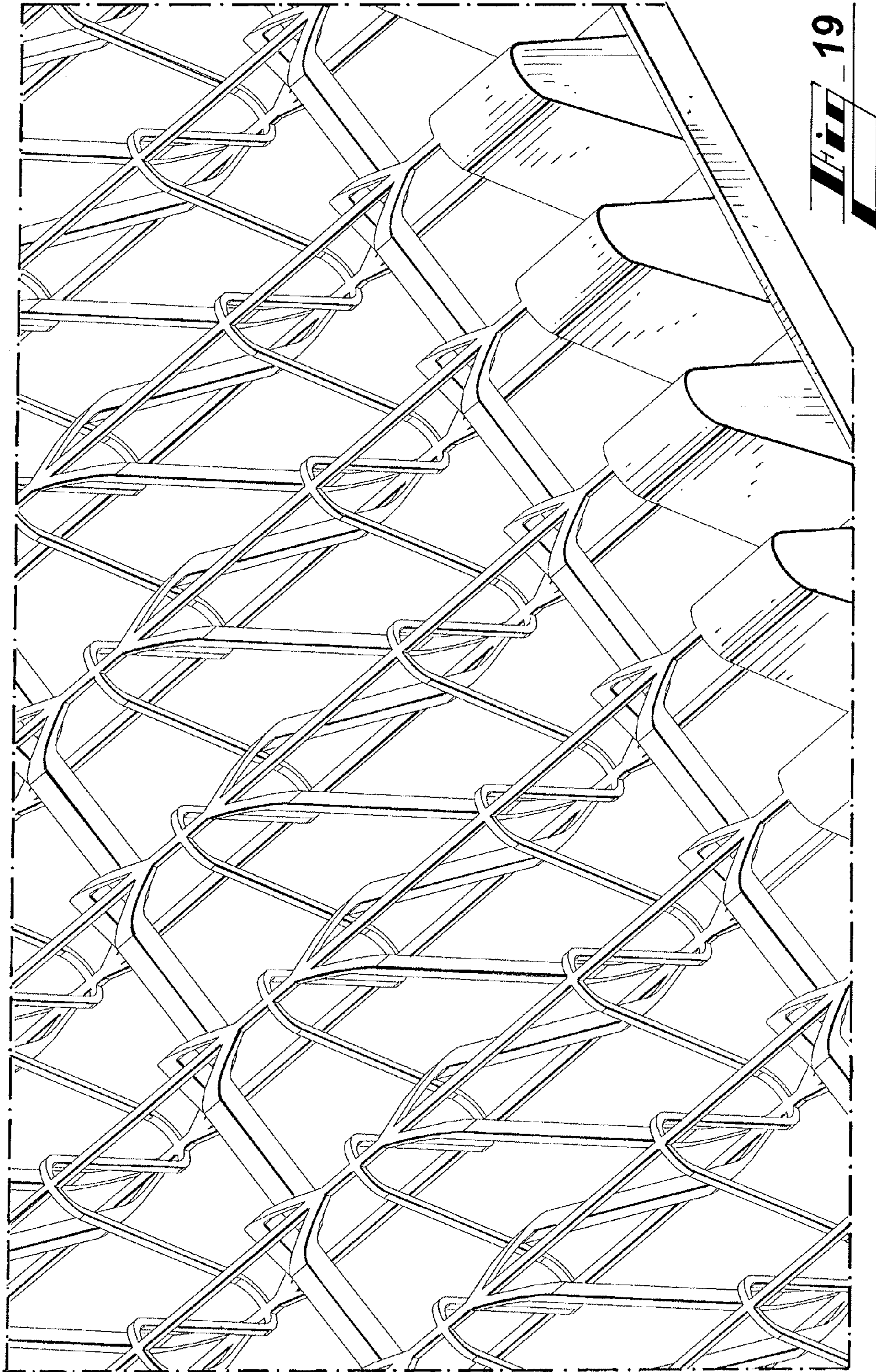


Fig. 16







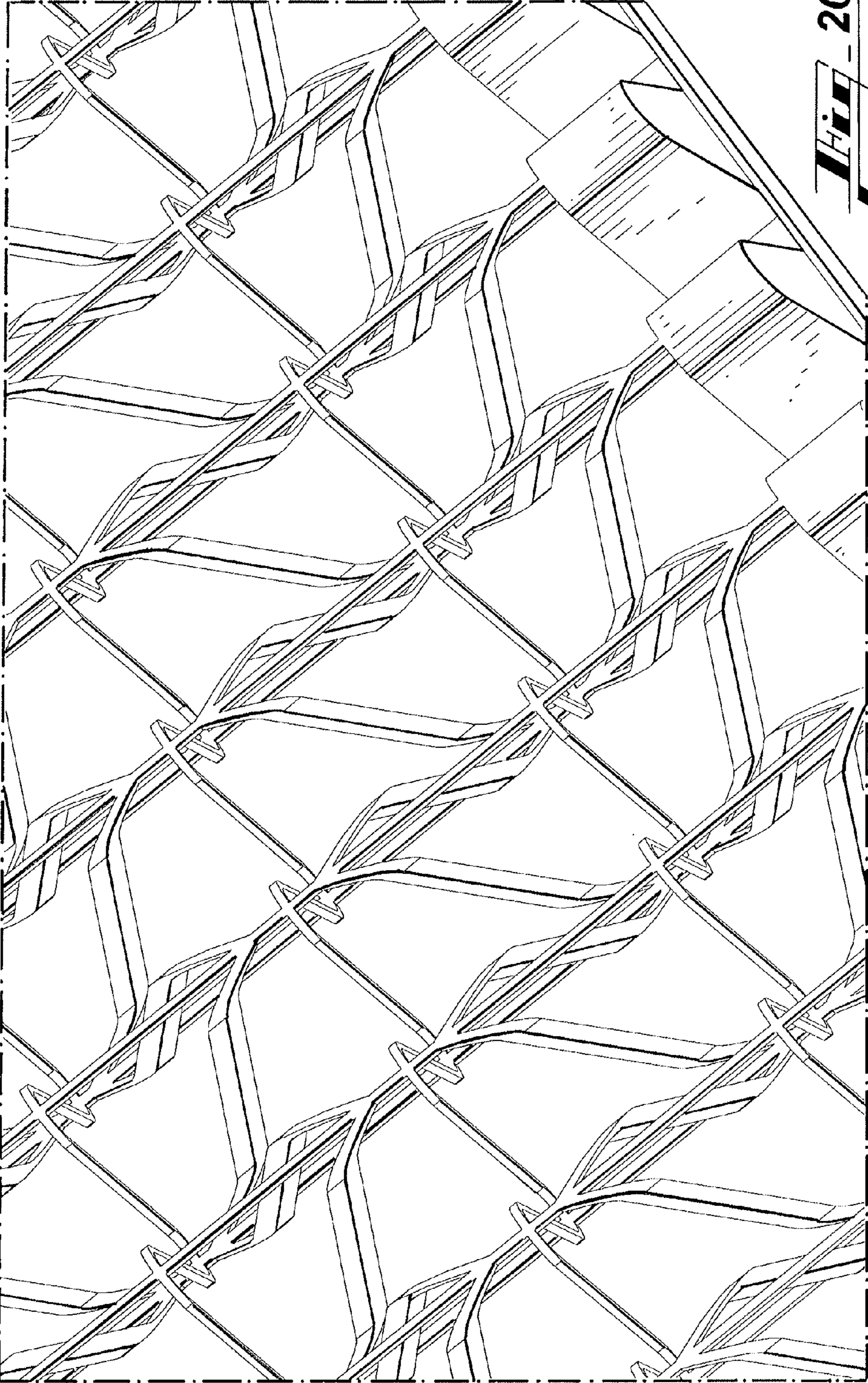


FIG. 20