



US00D344928S

United States Patent [19]

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Vinciarelli et al.

[45] Date of Patent: ** Mar. 8, 1994

[54] **PACKAGE FOR DC-DC POWER CONVERTER OR RELATED CIRCUITRY**

[75] Inventors: **Patrizio Vinciarelli**, Boston; **Fred M. Finnemore**, North Reading, both of Mass.

[73] Assignee: **VLT Corporation**, San Antonio, Tex.

[**] Term: **14 Years**

[21] Appl. No.: **916,350**

[22] Filed: **Jul. 17, 1992**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 809,412, Dec. 17, 1991.

[52] U.S. Cl. **D13/110**

[58] Field of Search 361/386, 388, 392; 336/90, 92, 200; 363/15, 95; 307/150, 151; 174/52.1, 52.2; D13/110, 123, 124

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(List continued on next page.)

Primary Examiner—Wallace R. Burke
Assistant Examiner—Joel Sincavage
Attorney, Agent, or Firm—Fish & Richardson

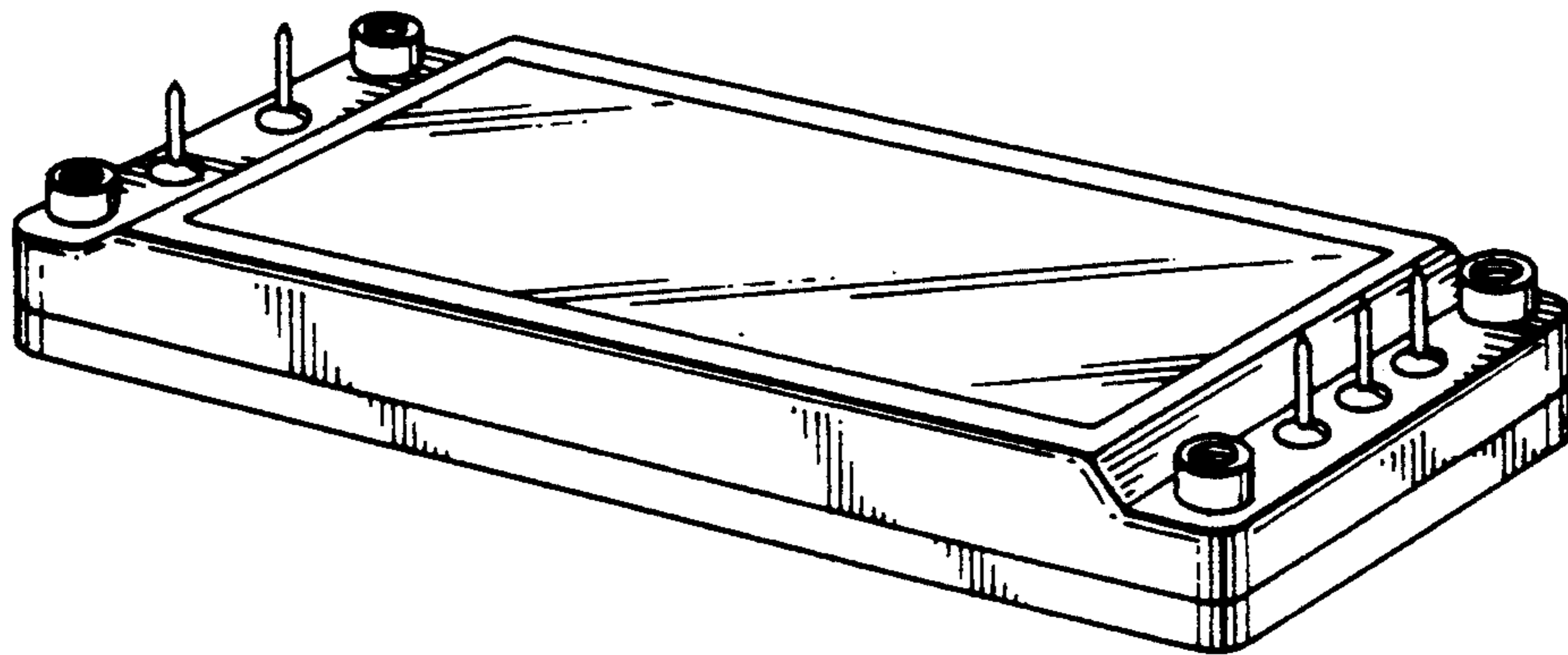
[57] **CLAIM**

The ornamental design for a package for DC-DC power converter or related circuitry, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a package for a DC-DC power converter or related circuitry;
 FIG. 2 is a bottom plan view thereof;
 FIG. 3 is a side elevational view thereof, the opposite side being mirror image;
 FIG. 4 is a top plan view thereof;
 FIG. 5 is an end elevational view thereof;
 FIG. 6 is another end elevational view thereof, this end being opposite the end of FIG. 5;
 FIG. 7 through 12 illustrate another embodiment, where the descriptions of FIGS. 7 through 12 correspond to the descriptions of FIGS. 1 through 6, respectively;
 FIGS. 13 through 18 illustrate another embodiment, where the descriptions of FIGS. 13 through 18 correspond to the descriptions of FIGS. 1 through 6, respectively;
 FIGS. 19 through 24 illustrate another embodiment, where the descriptions of FIGS. 19 through 24 correspond to the descriptions of FIGS. 1 through 6, respectively;
 FIGS. 25 through 30 illustrate another embodiment, where the descriptions of FIGS. 25 through 30 correspond to the descriptions of FIGS. 1 through 6, respectively; and,
 FIGS. 31 through 36 illustrate another embodiment, where the descriptions of FIGS. 31 through 36 correspond to the descriptions of FIGS. 1 through 6, respectively.

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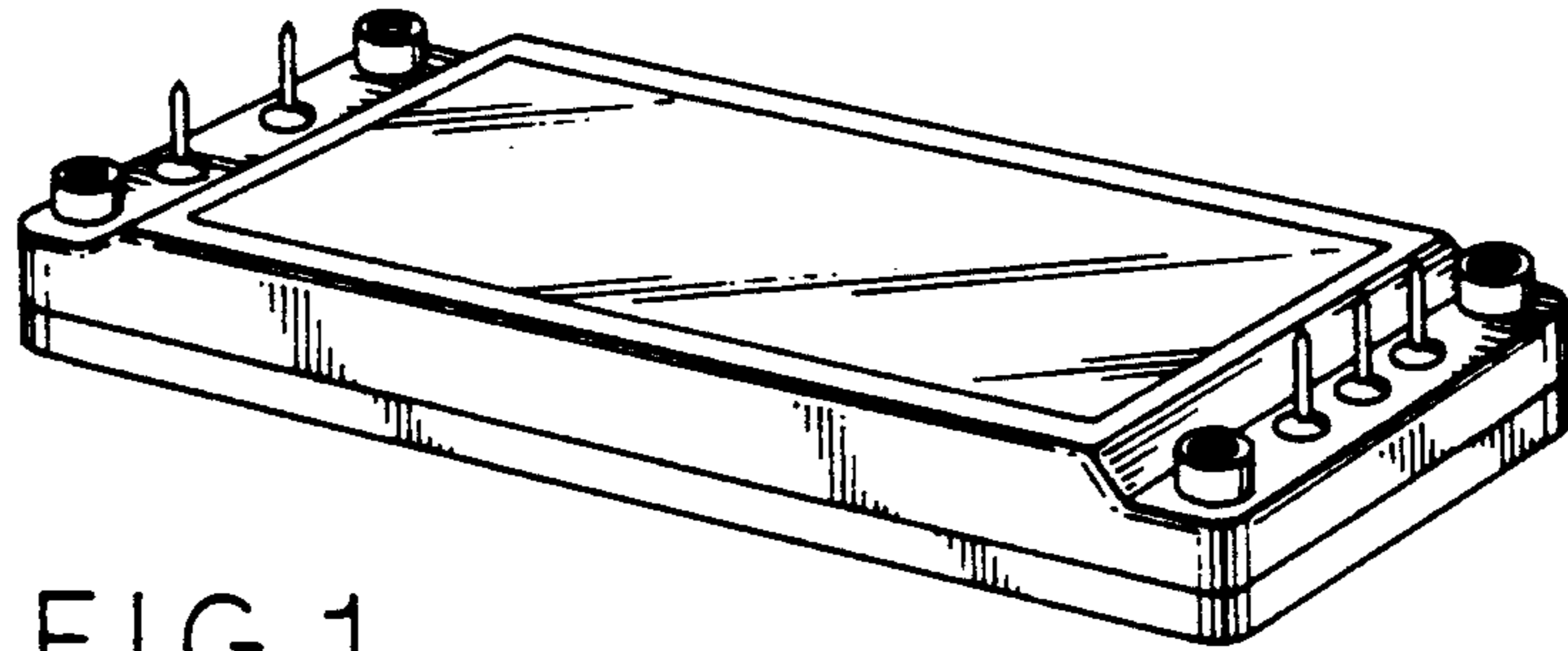


FIG. 1

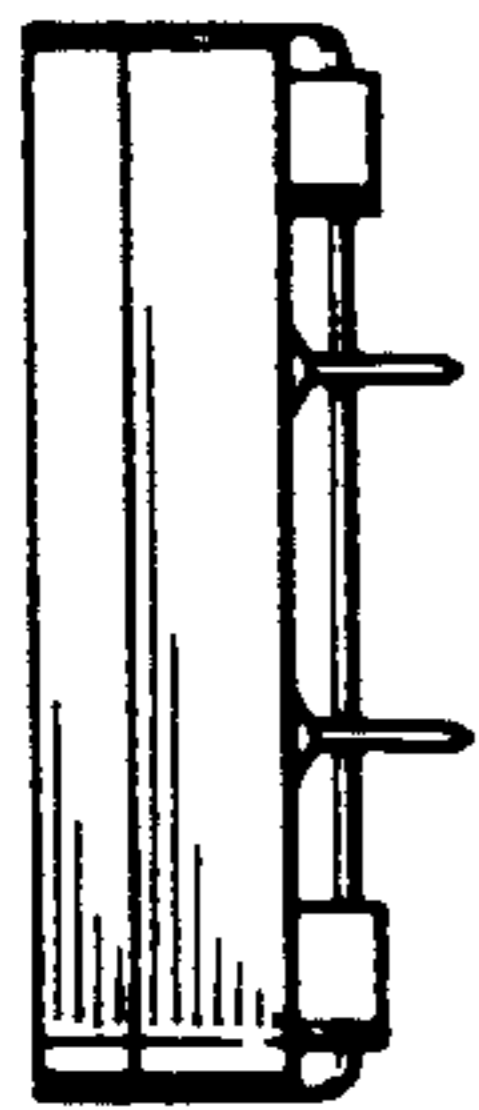


FIG. 5

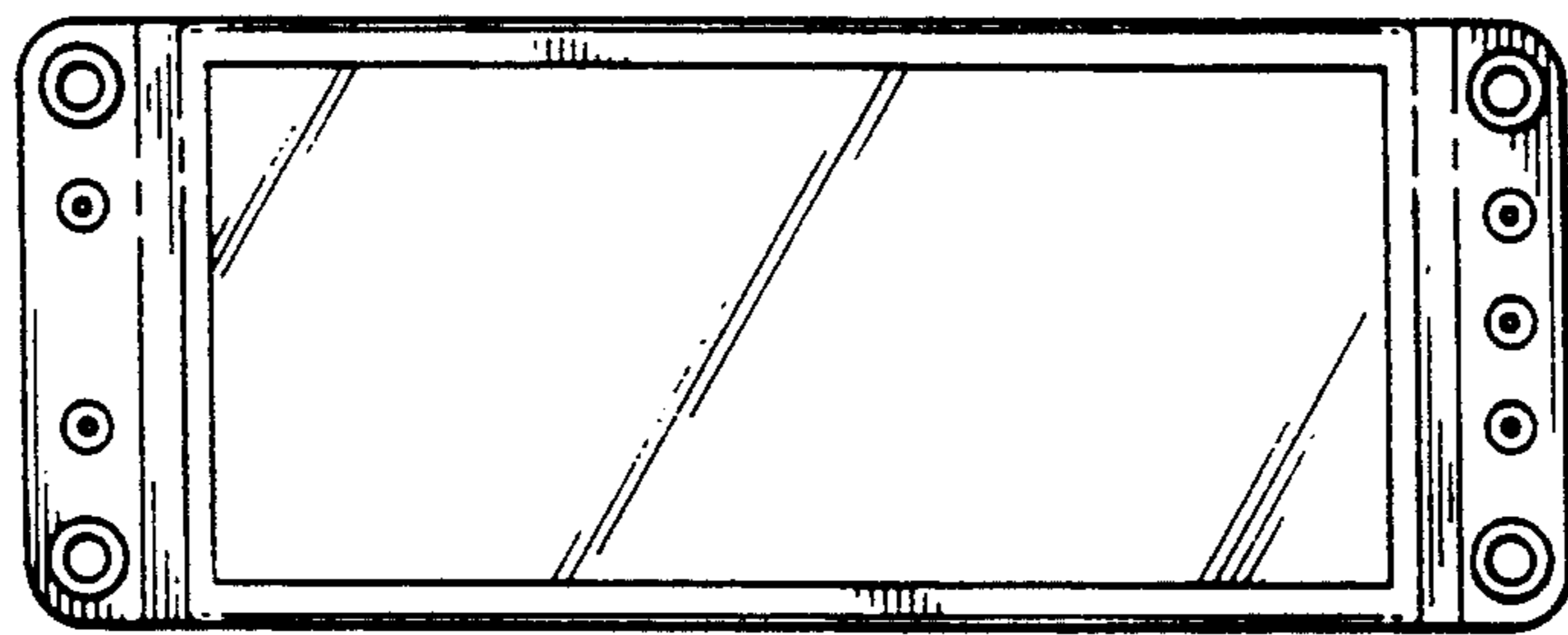


FIG. 2

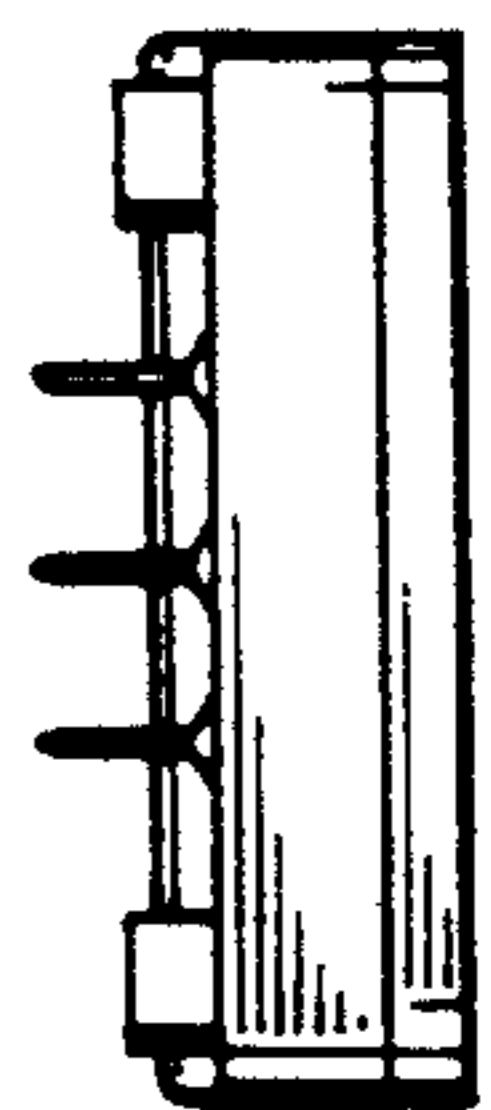


FIG. 6

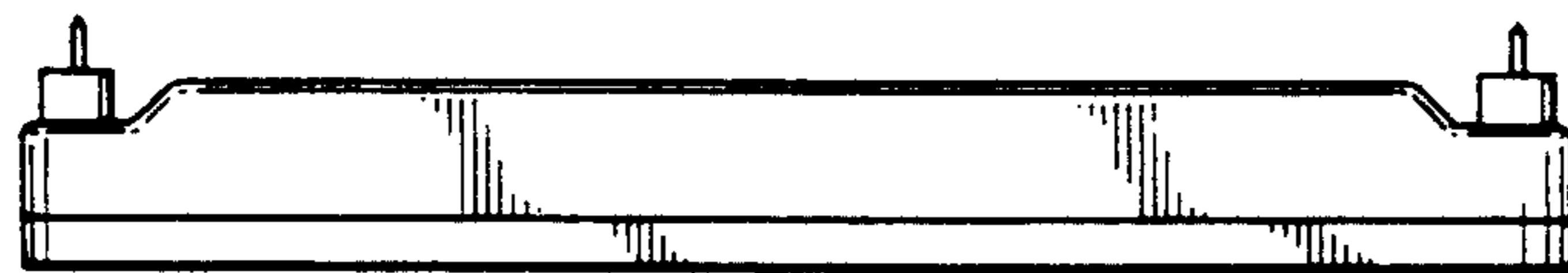


FIG. 3

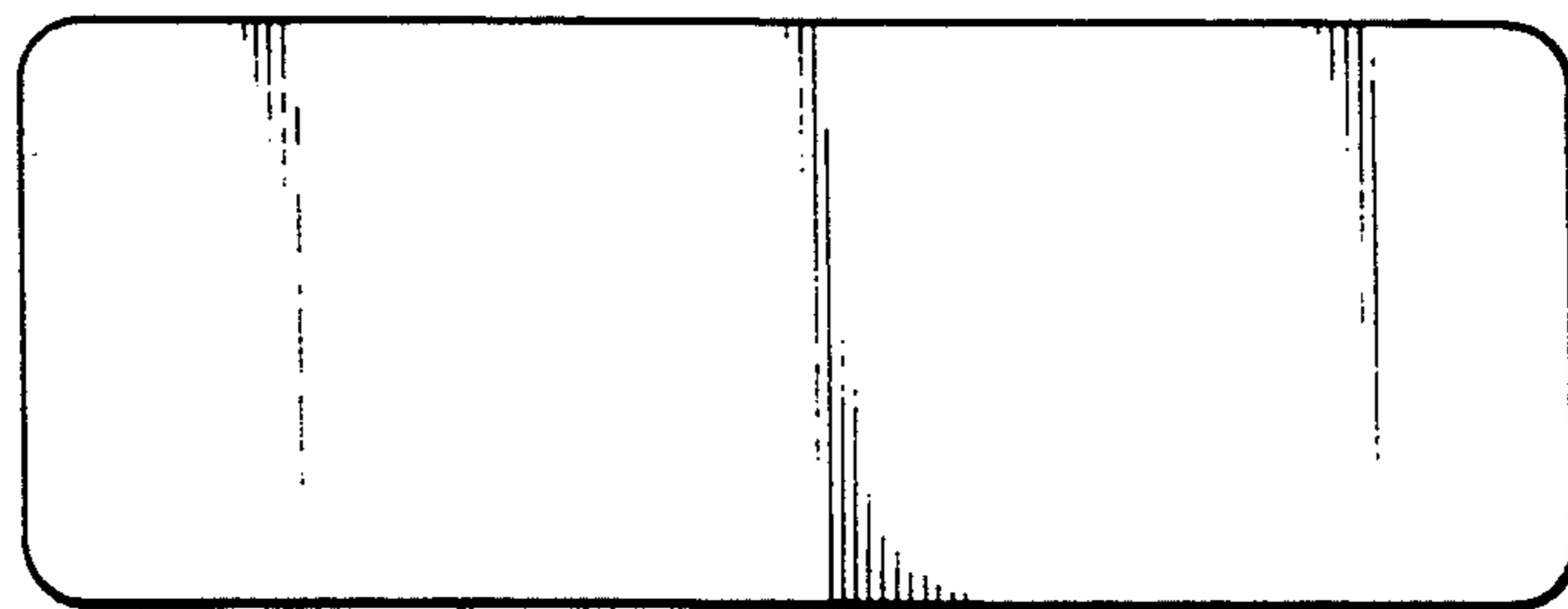


FIG. 4

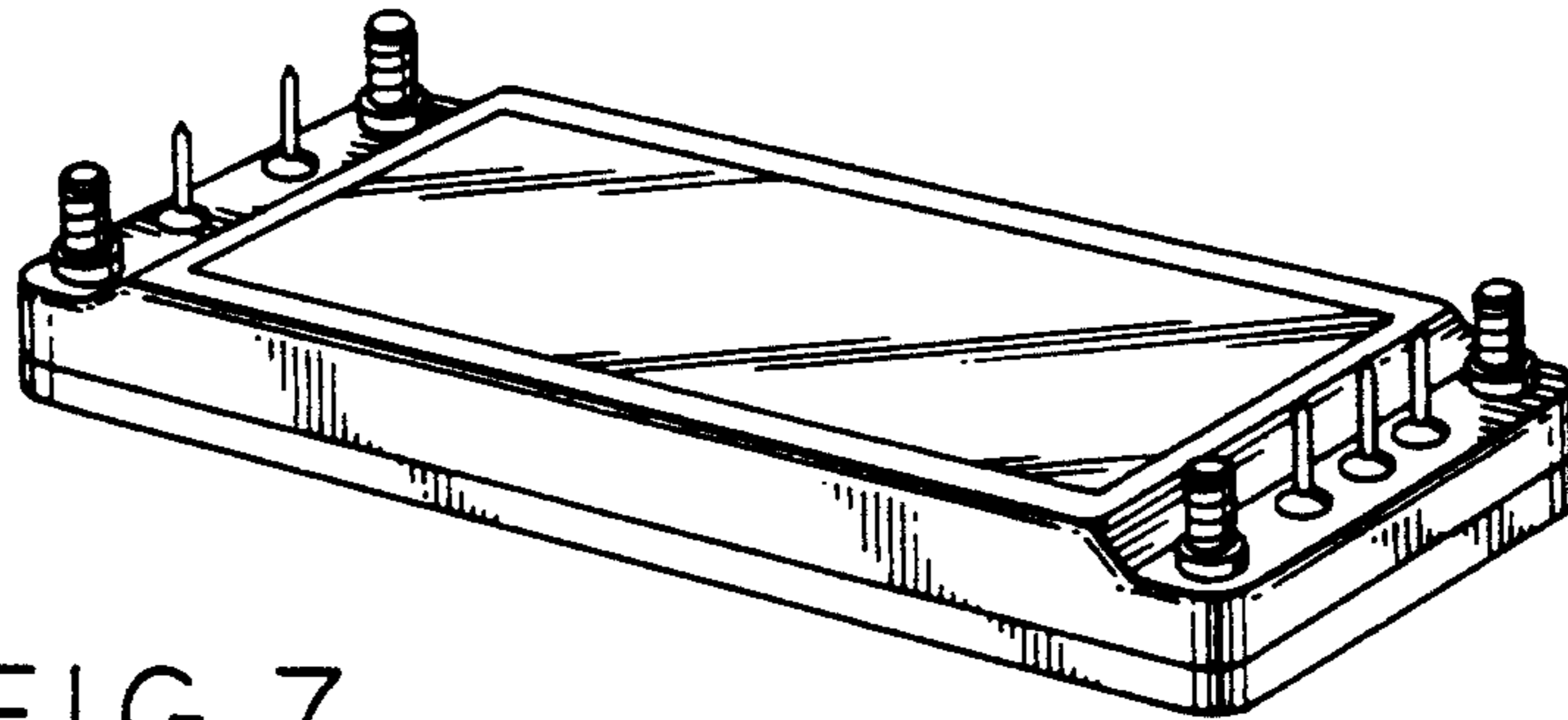


FIG. 7

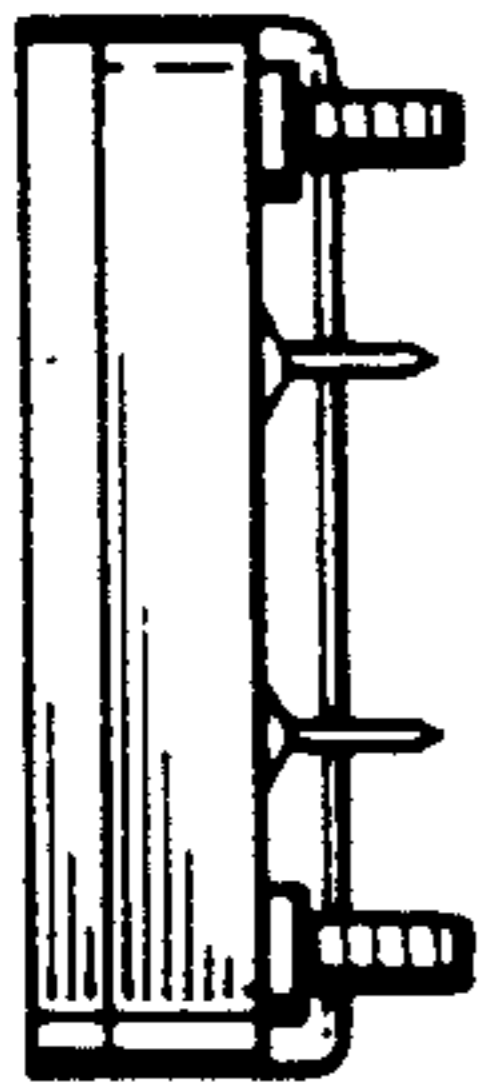


FIG. 11

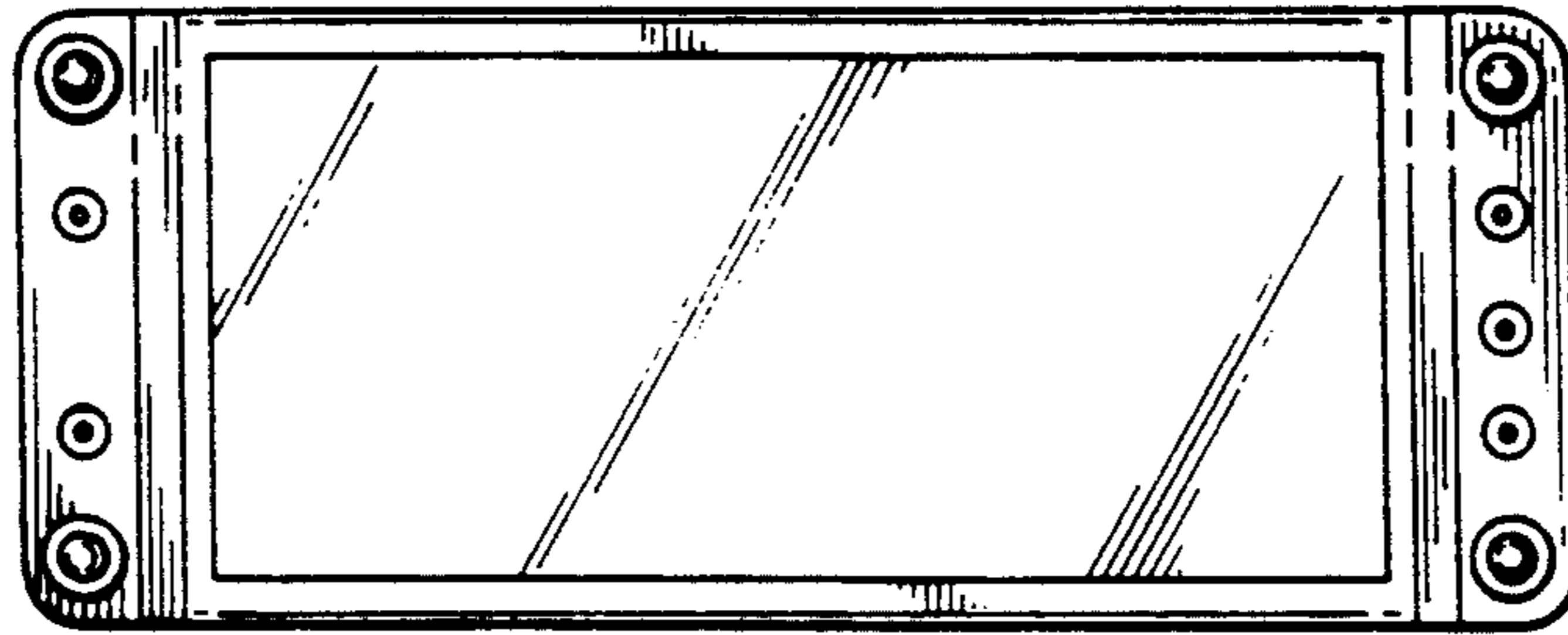


FIG. 8

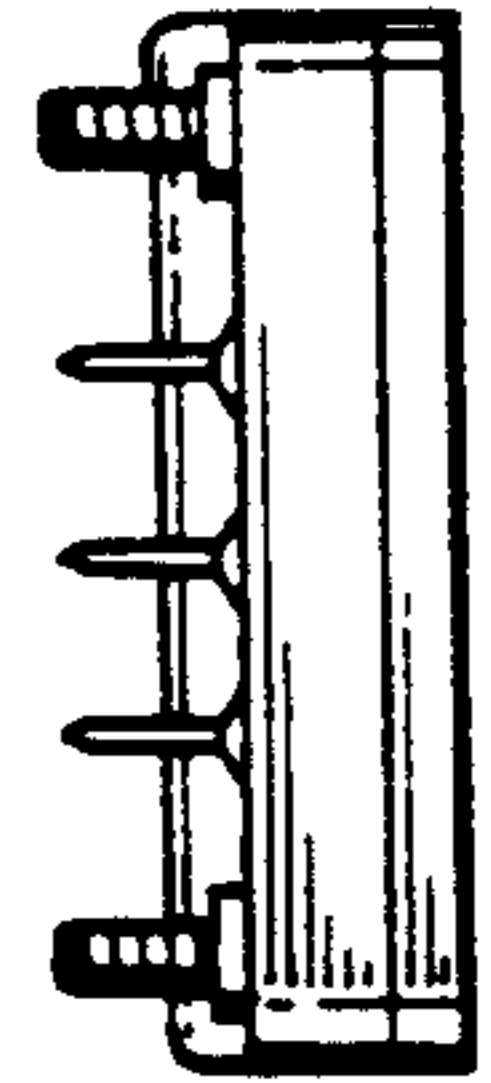


FIG. 12



FIG. 9

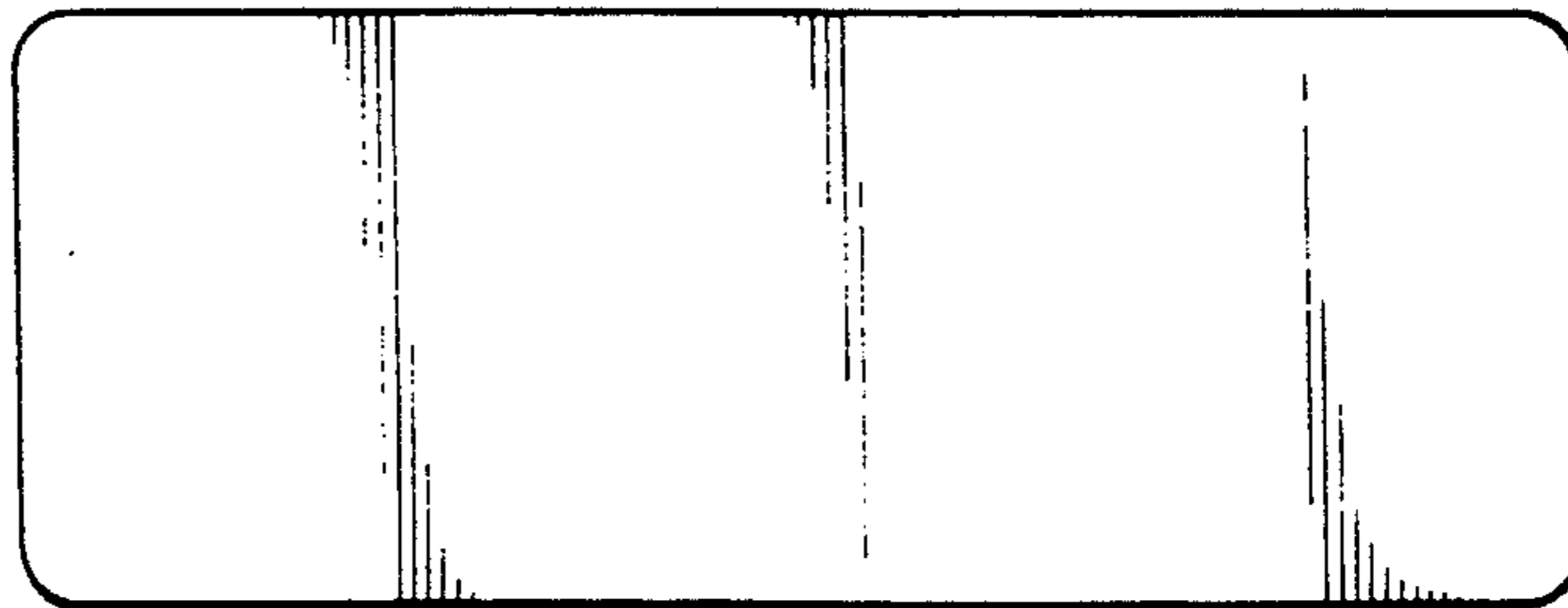


FIG. 10

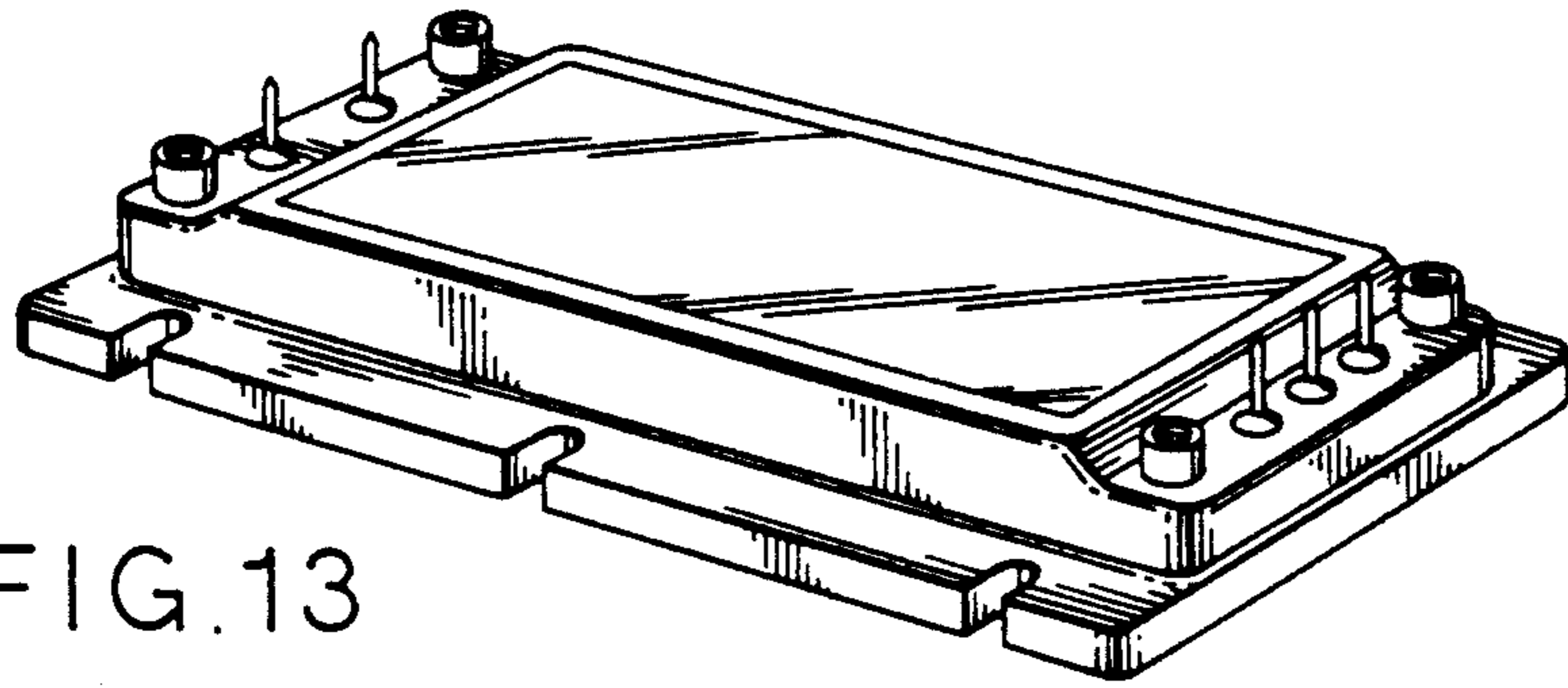


FIG. 13

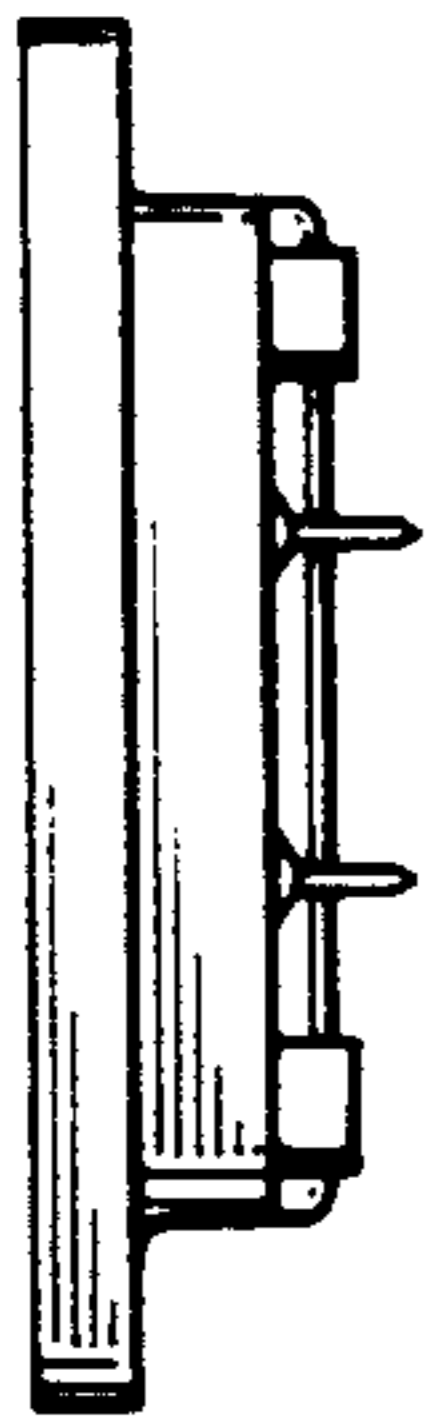


FIG. 17

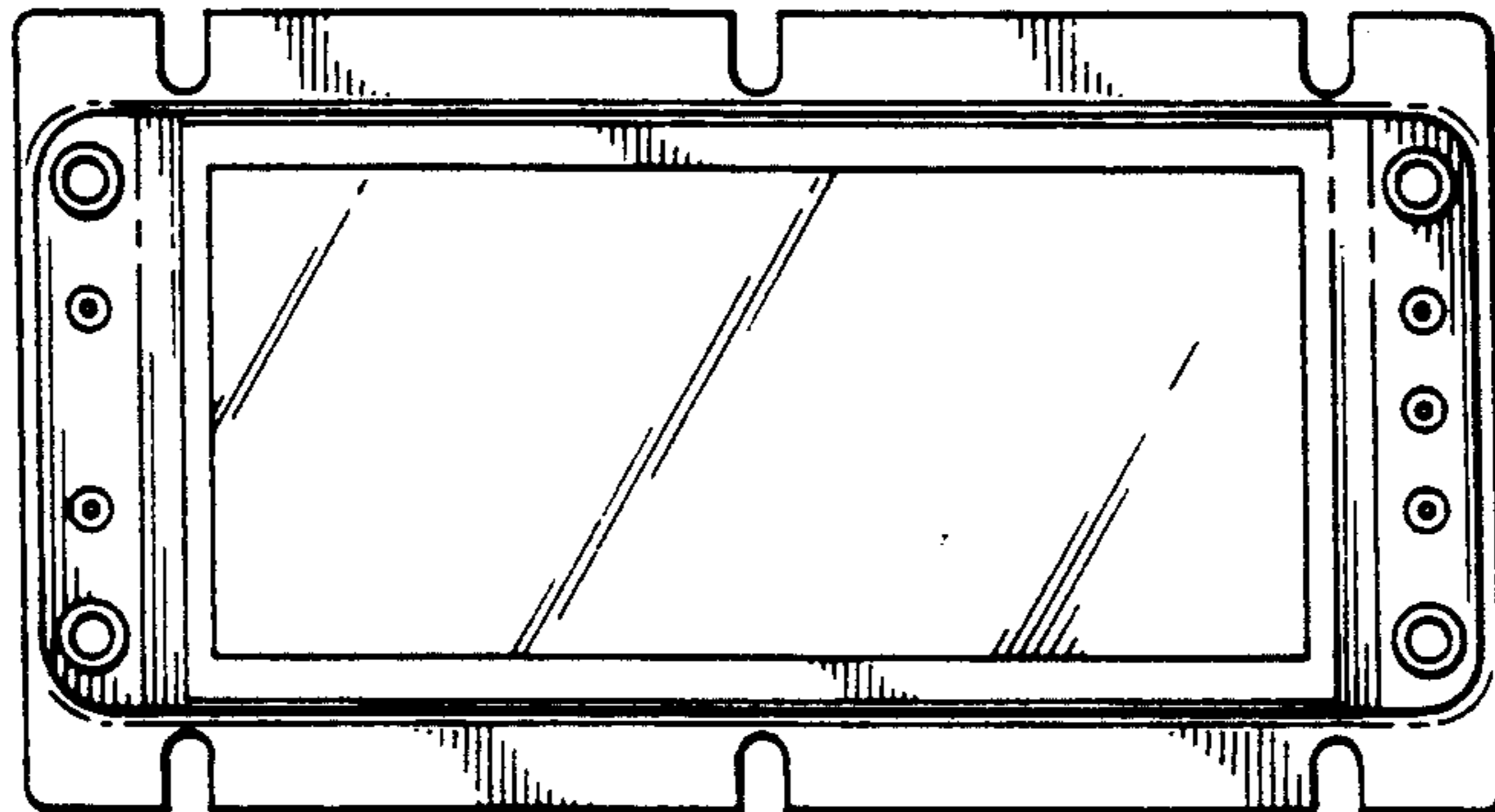


FIG. 14

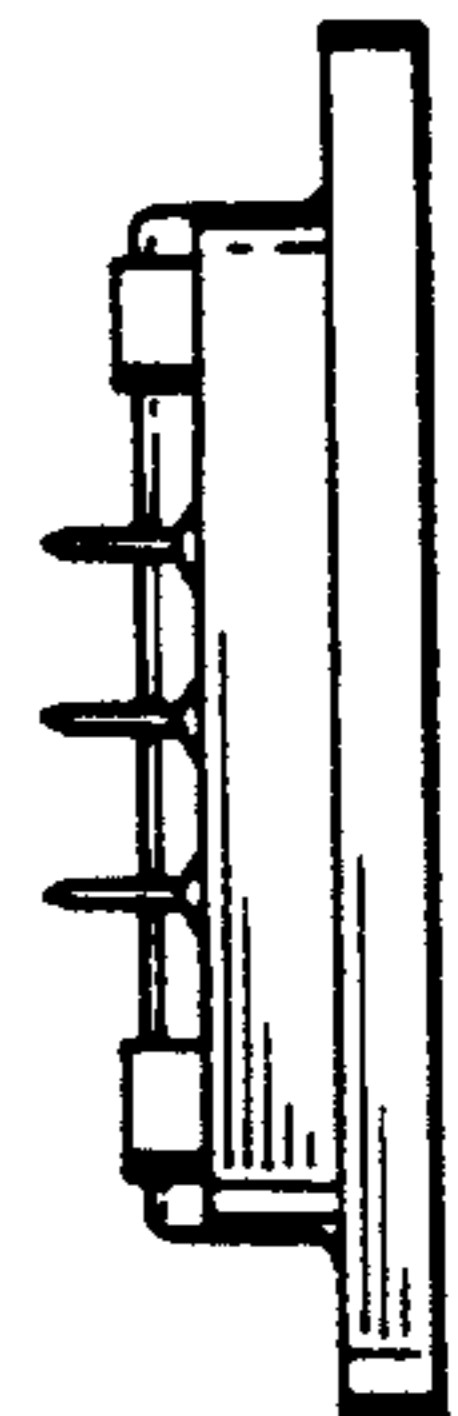
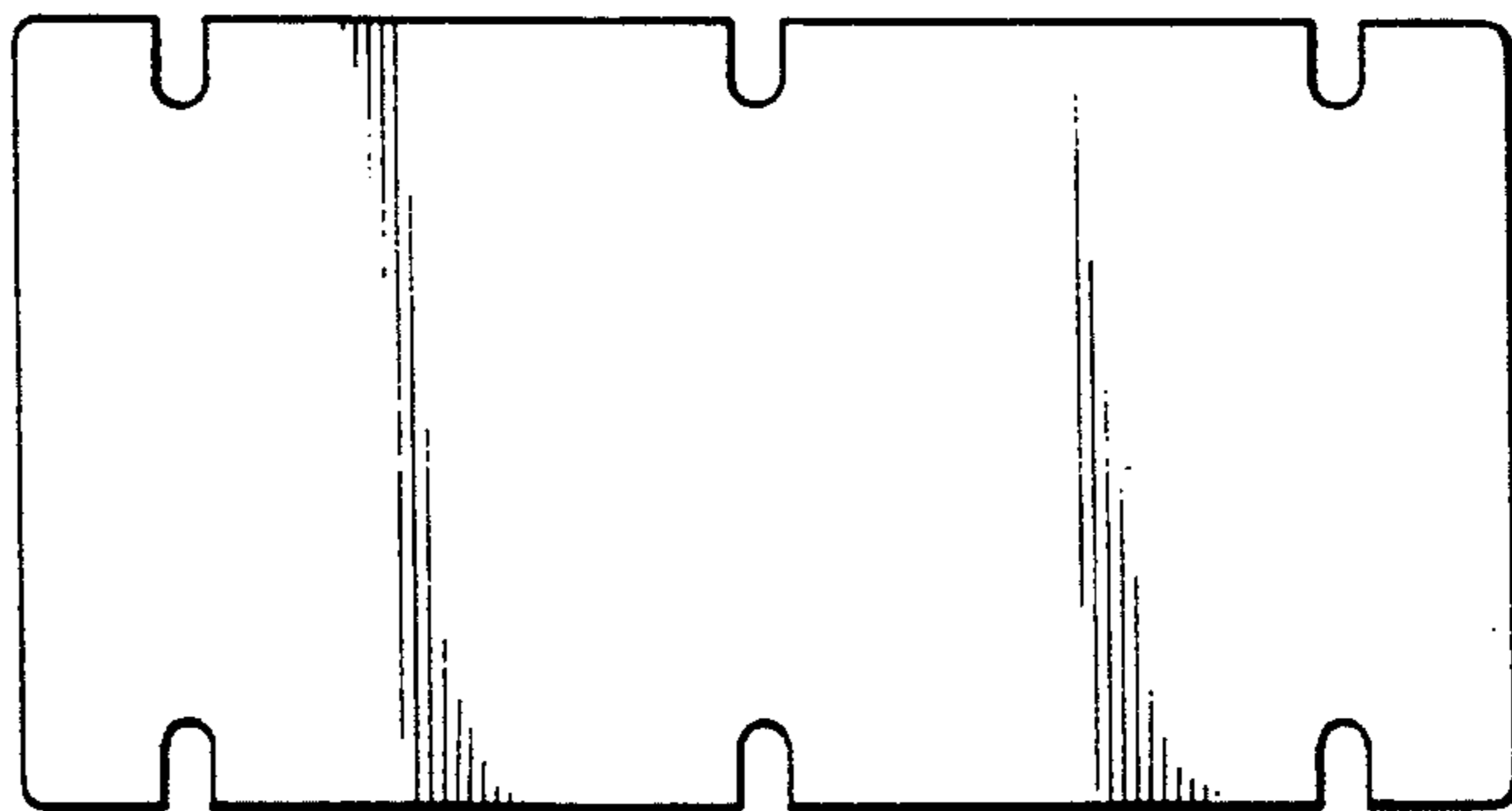


FIG. 18



FIG. 15

FIG. 16



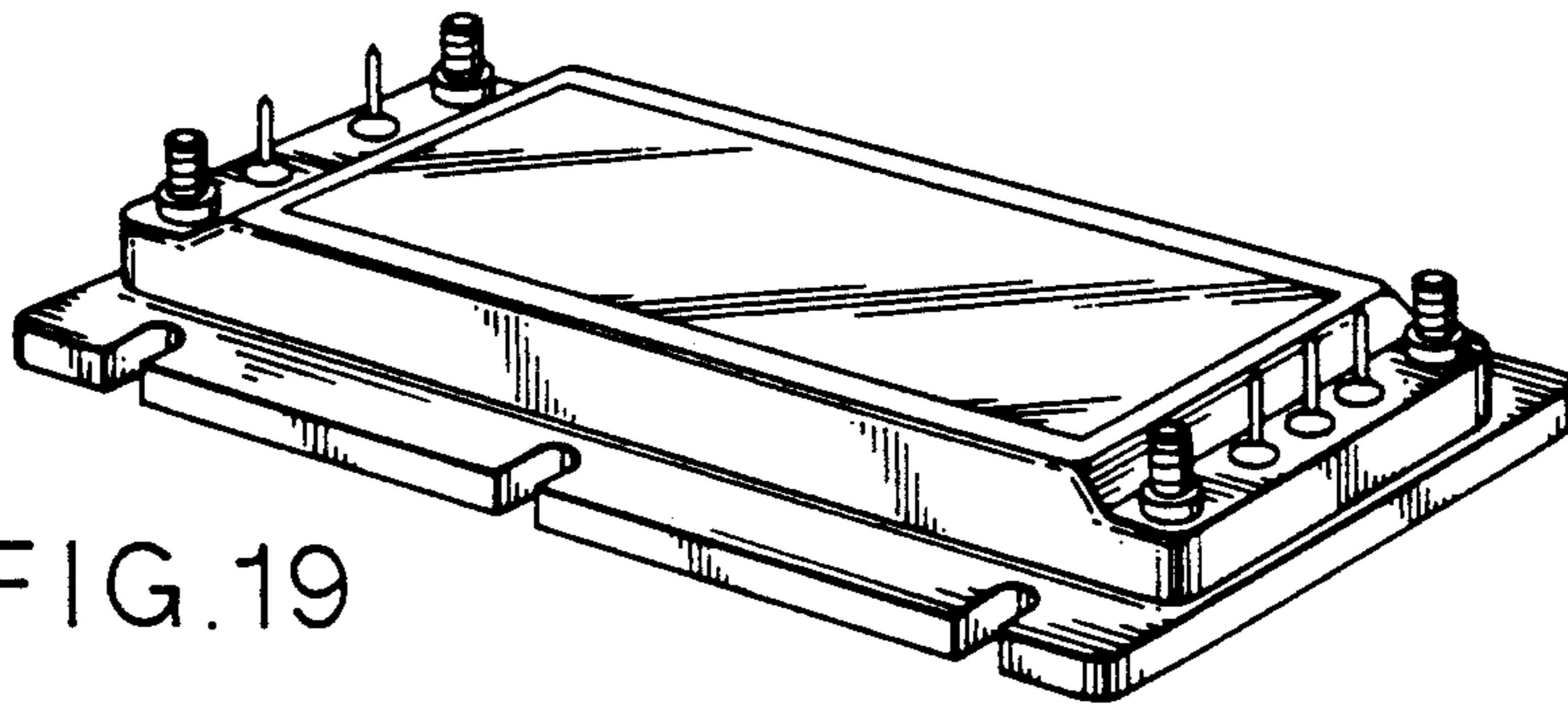


FIG. 19

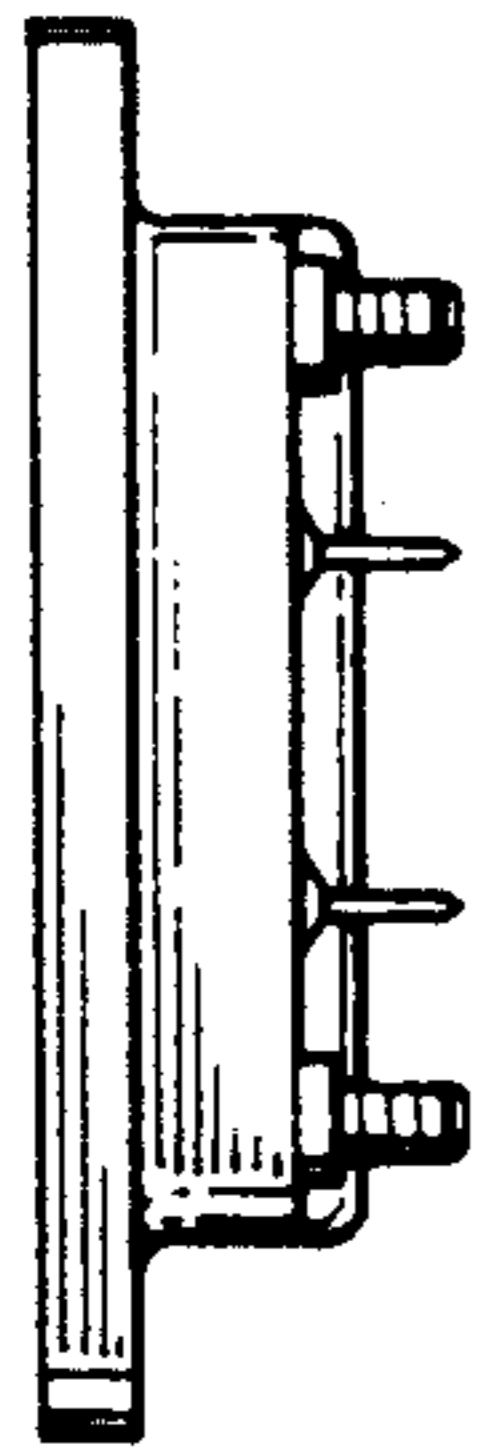


FIG. 23

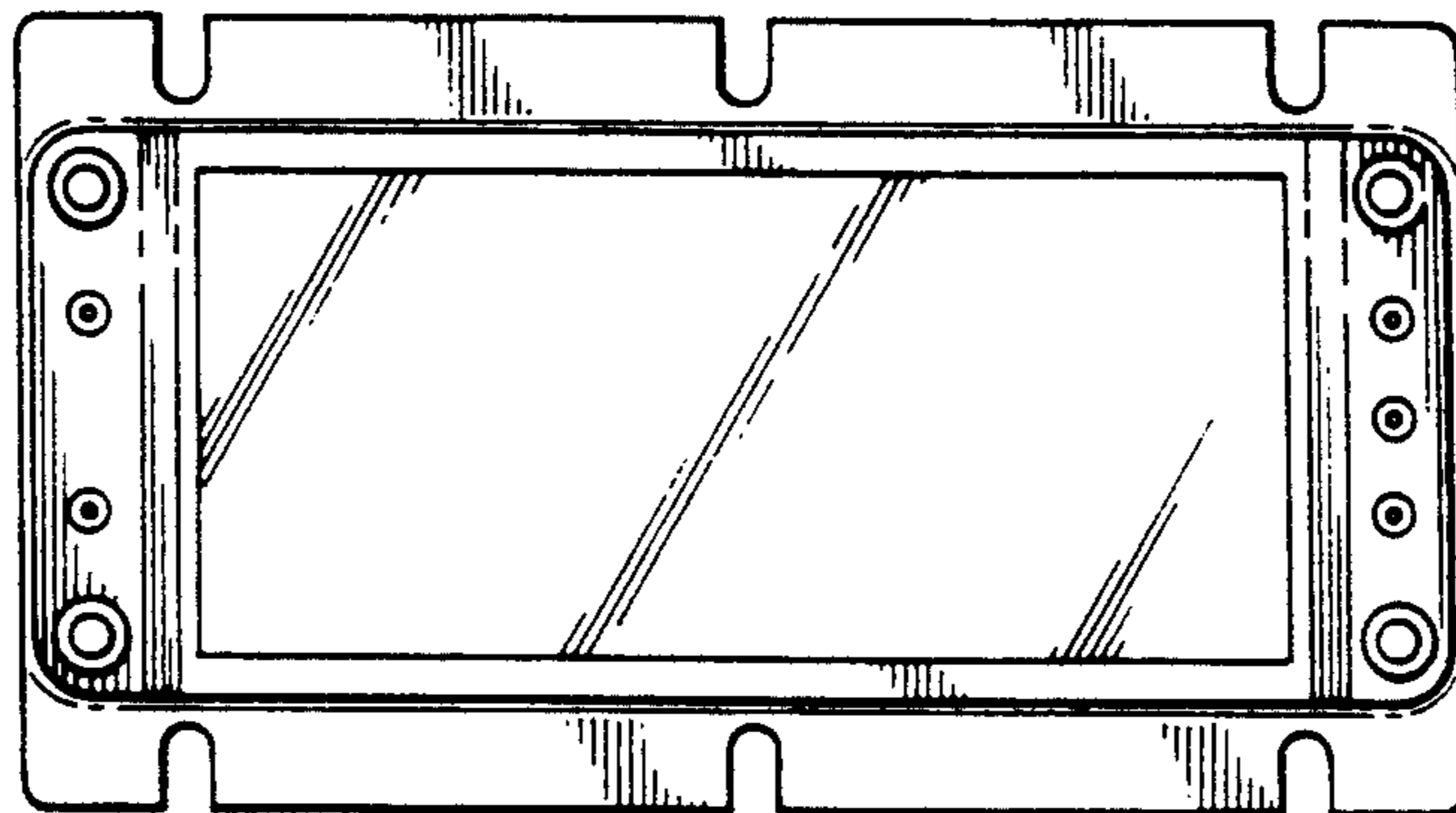


FIG. 20

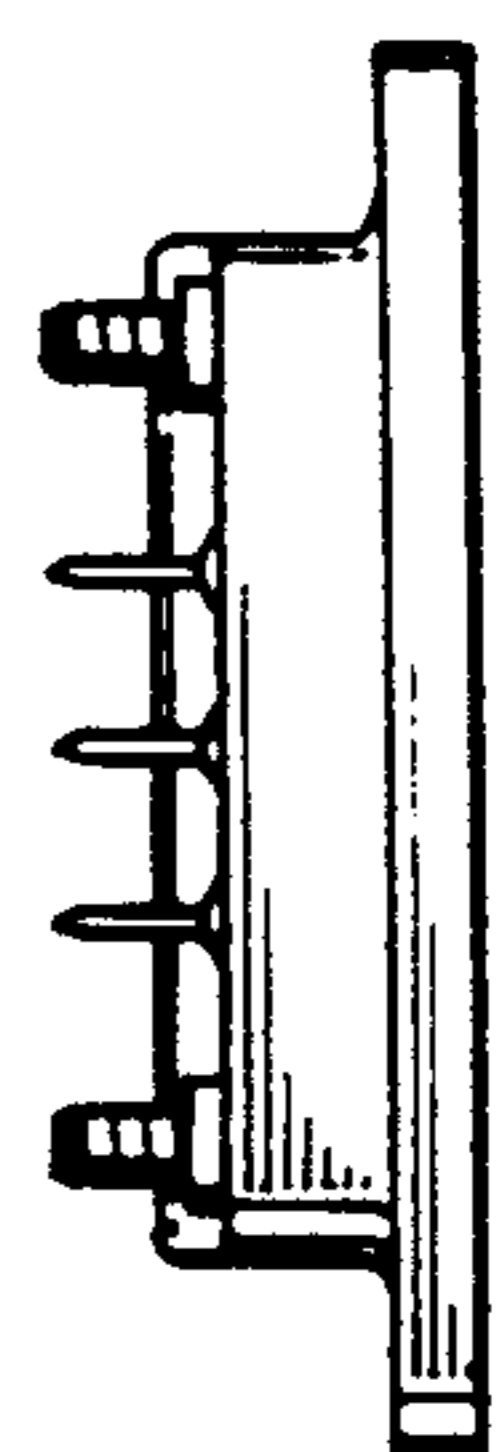
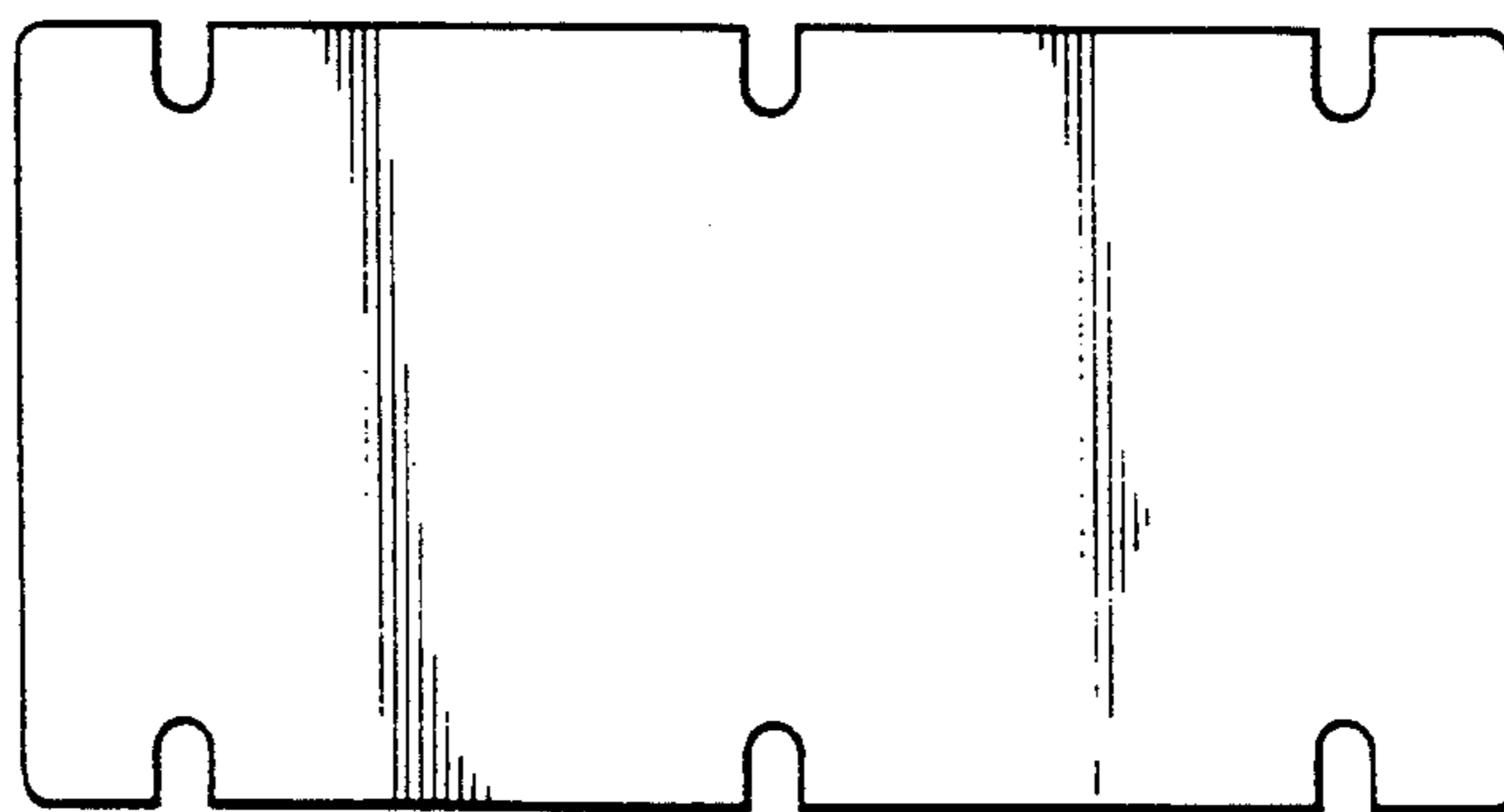


FIG. 24



FIG. 21

FIG. 22



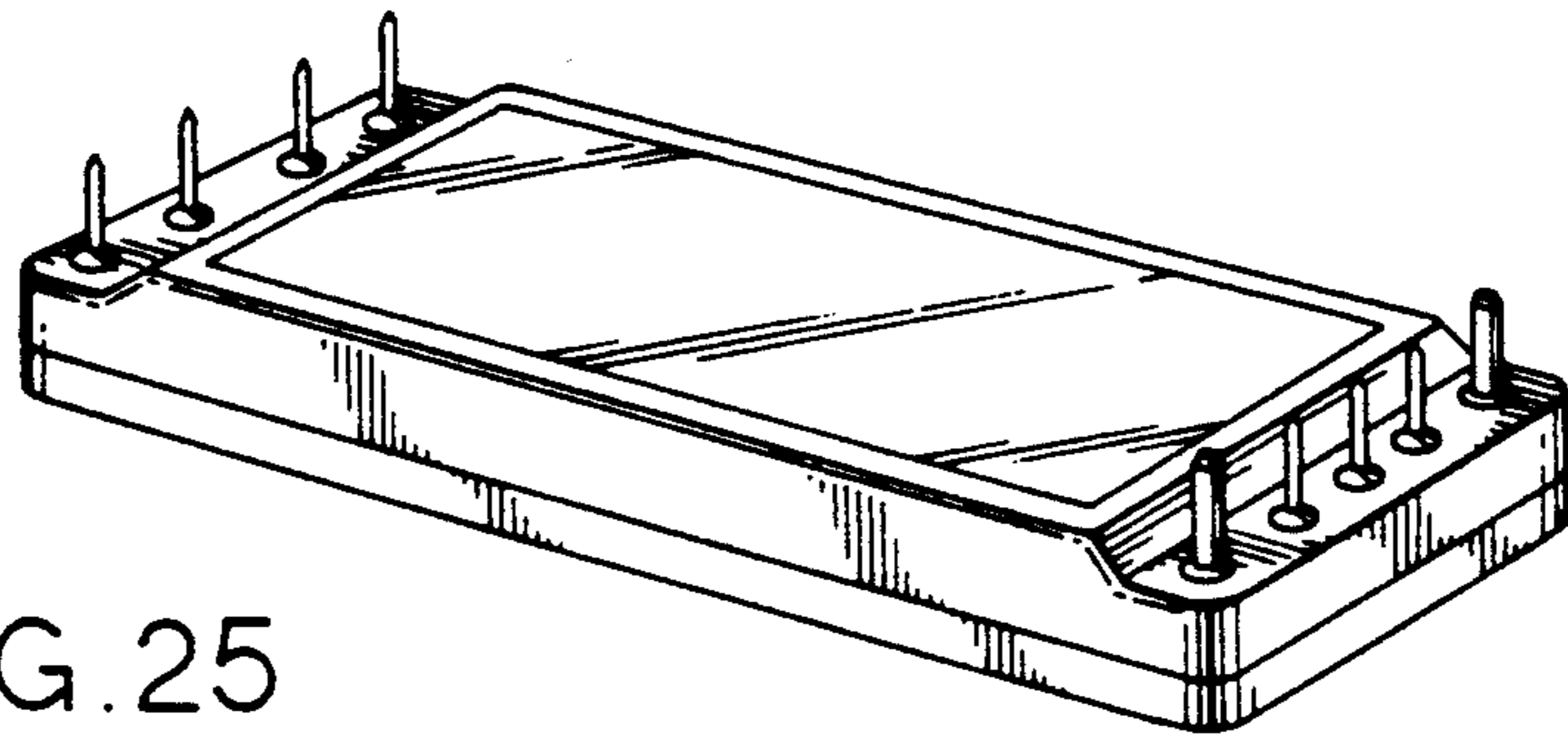


FIG. 25

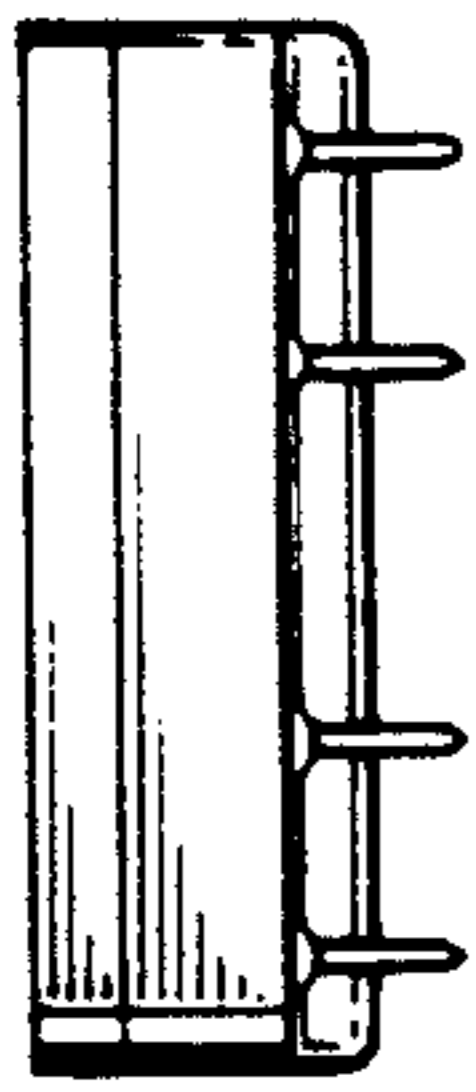


FIG. 29

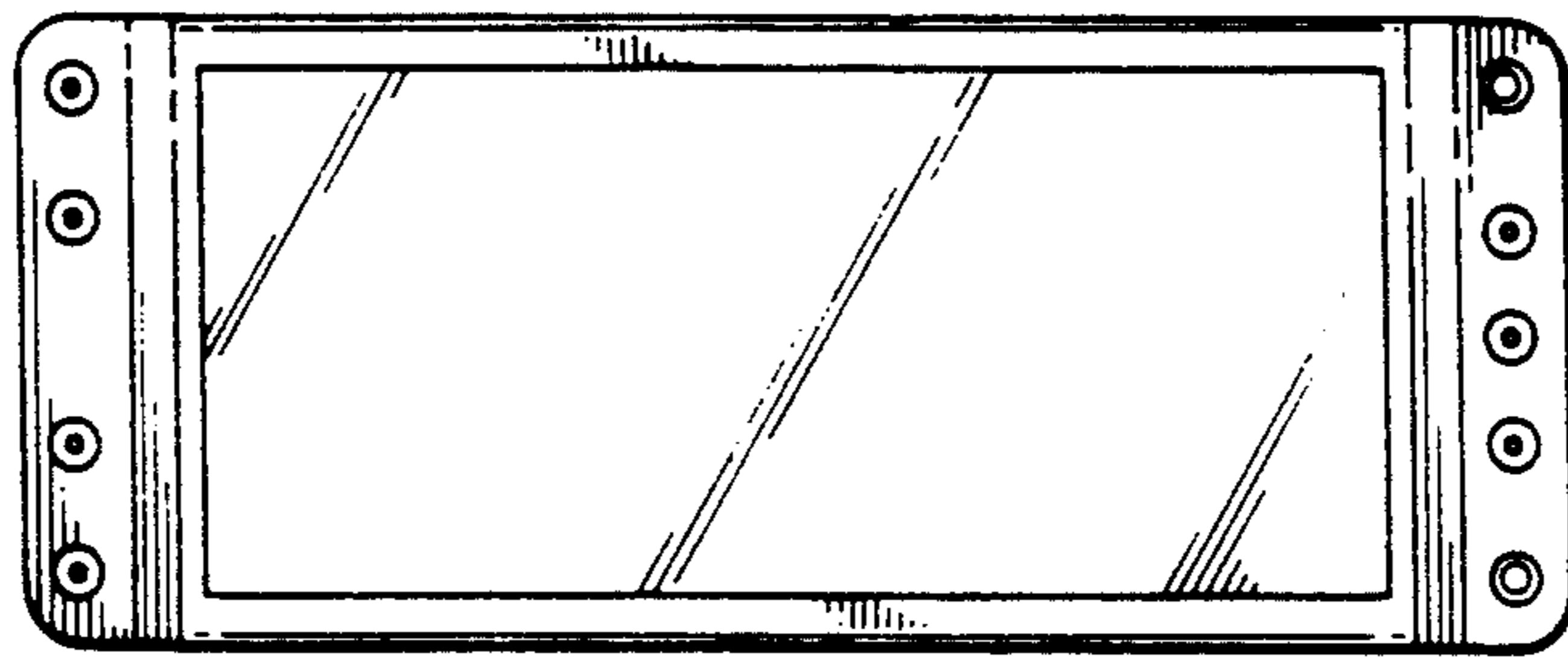


FIG. 26

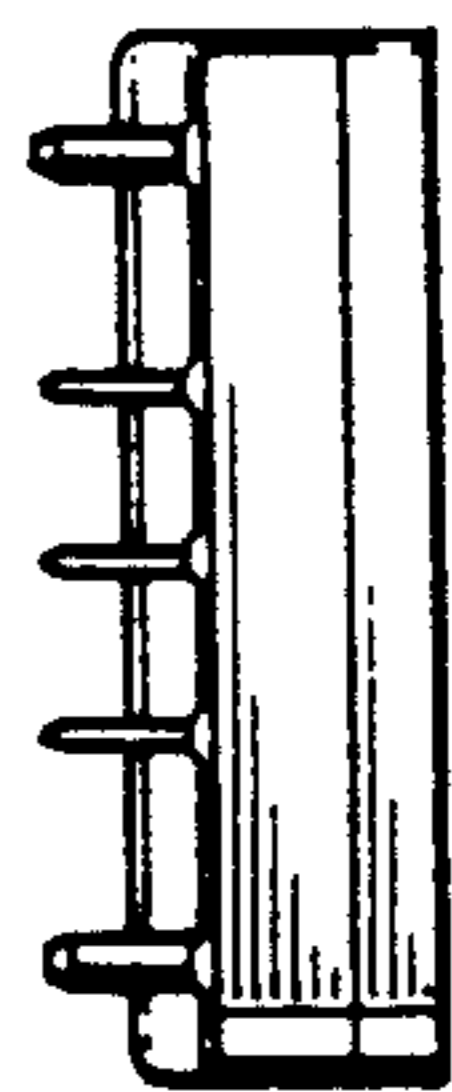


FIG. 30

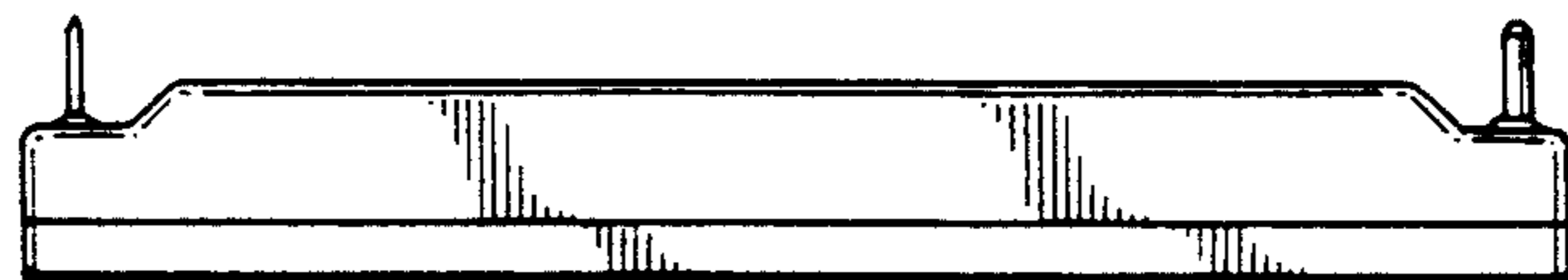


FIG. 27

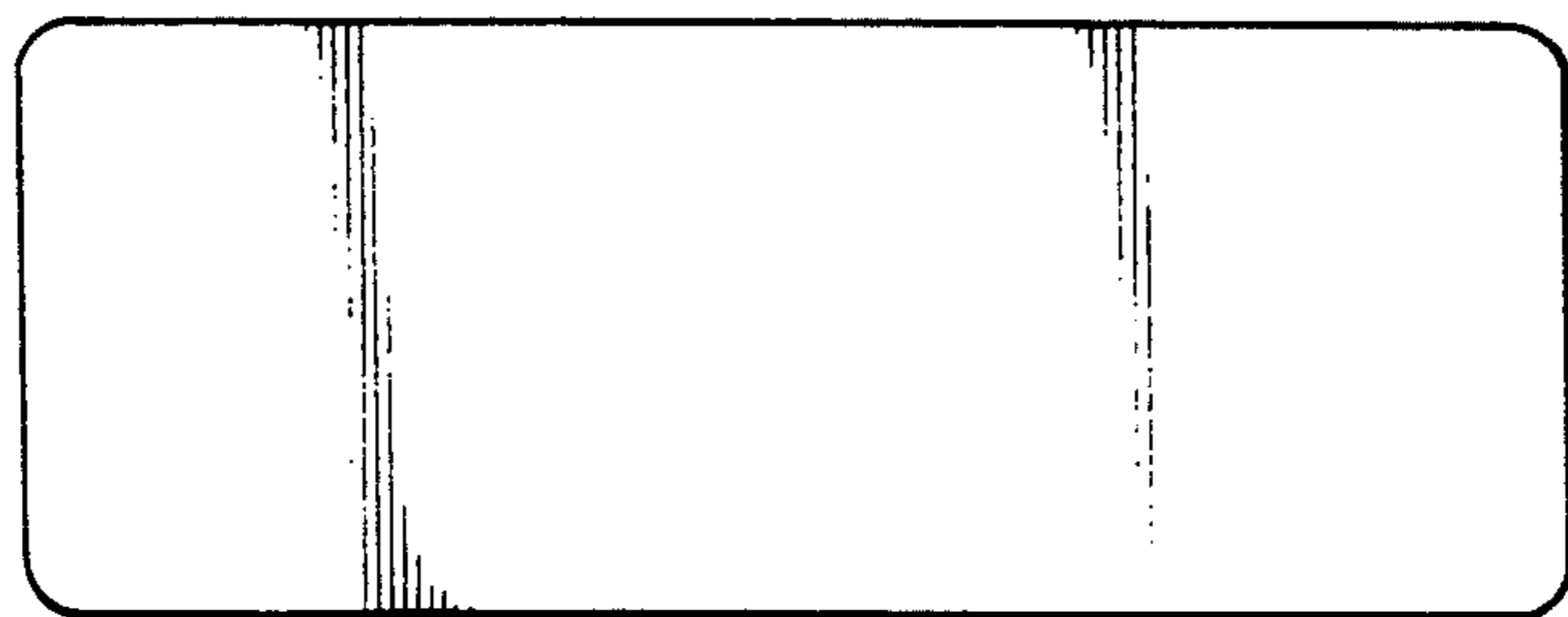


FIG. 28

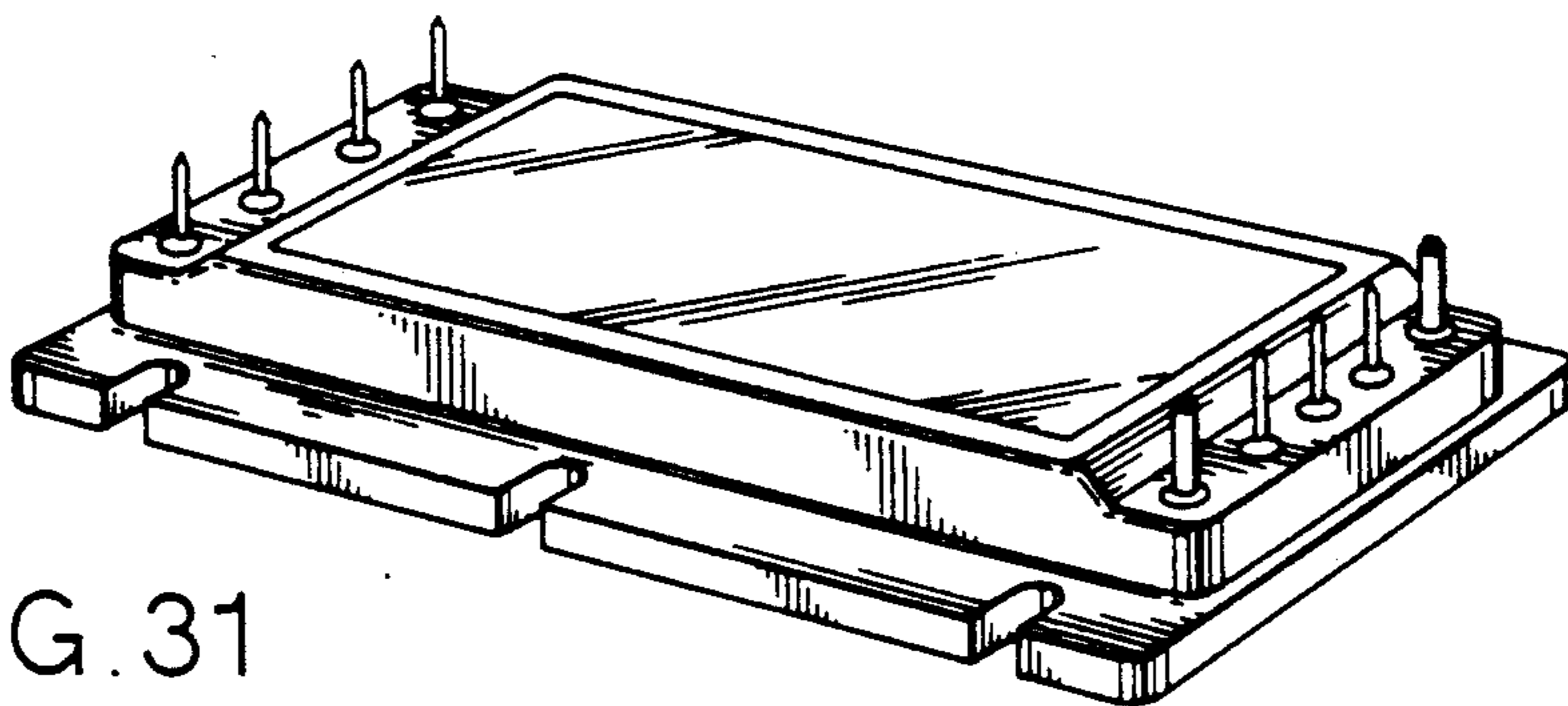


FIG. 31

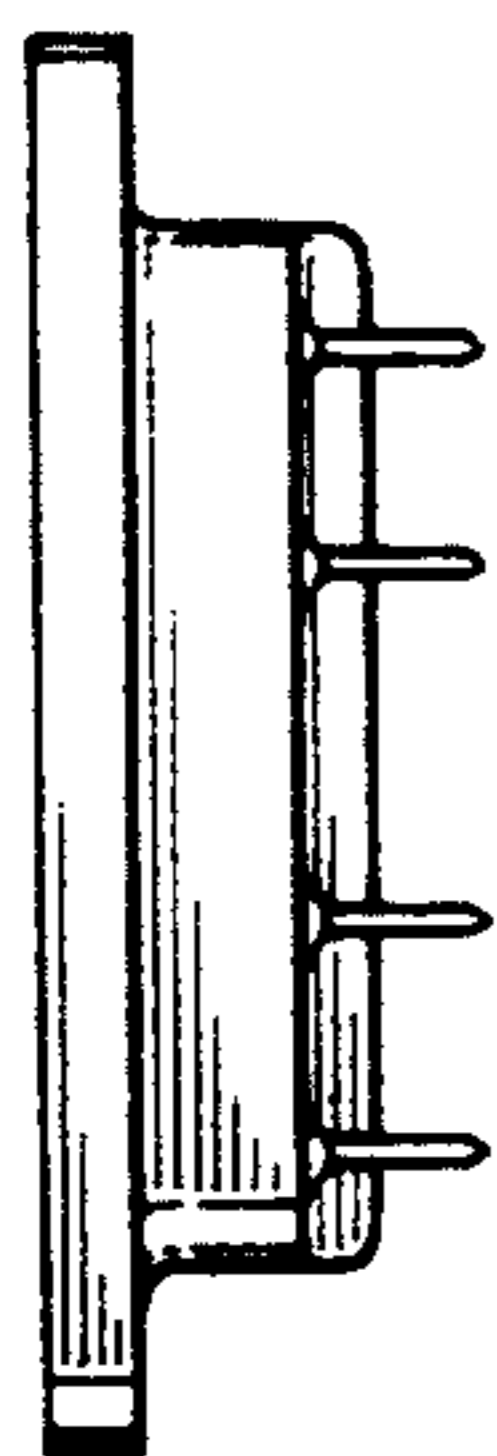


FIG. 35

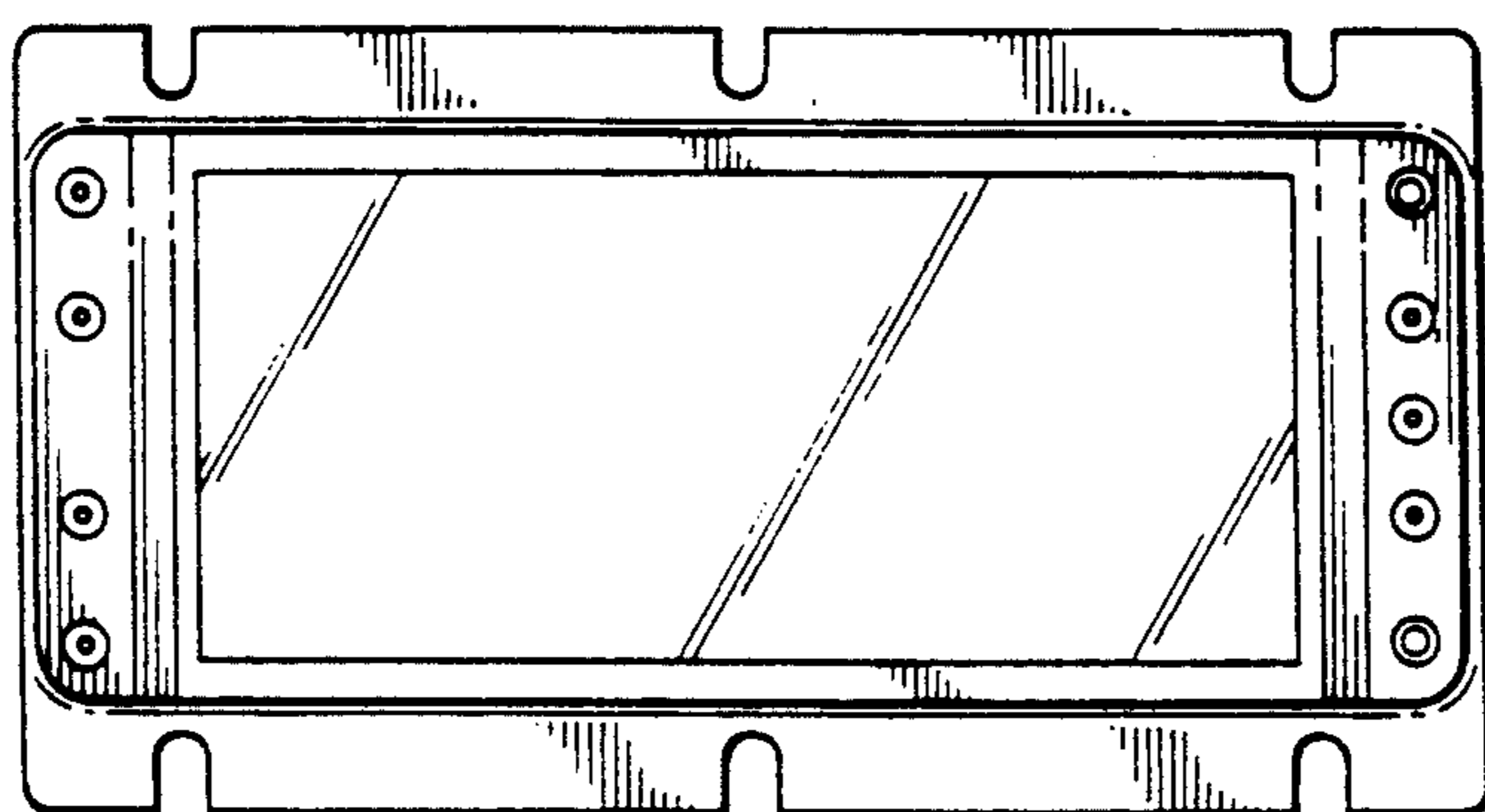


FIG. 32

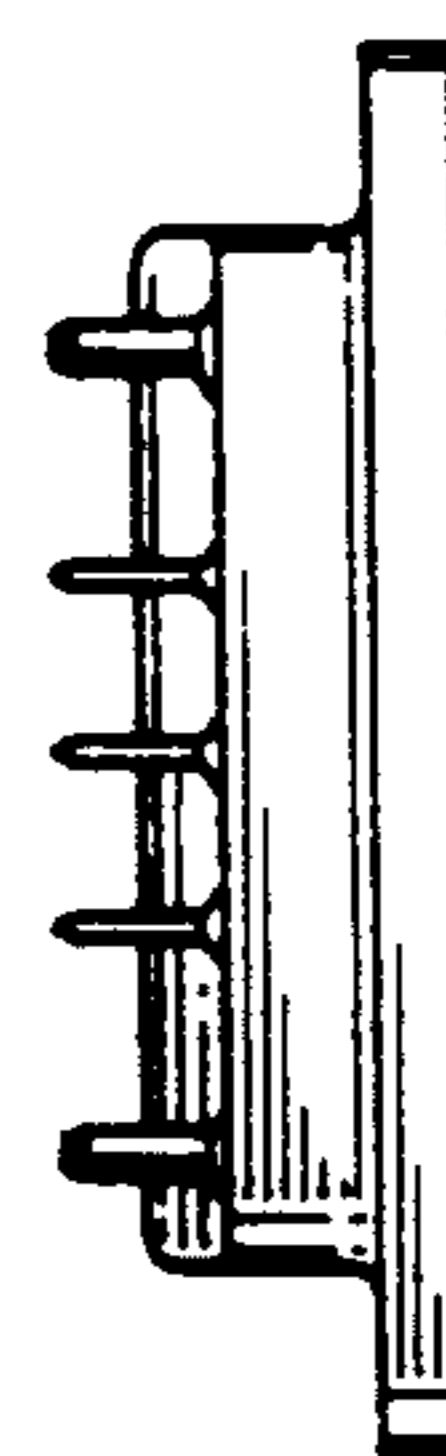


FIG. 36

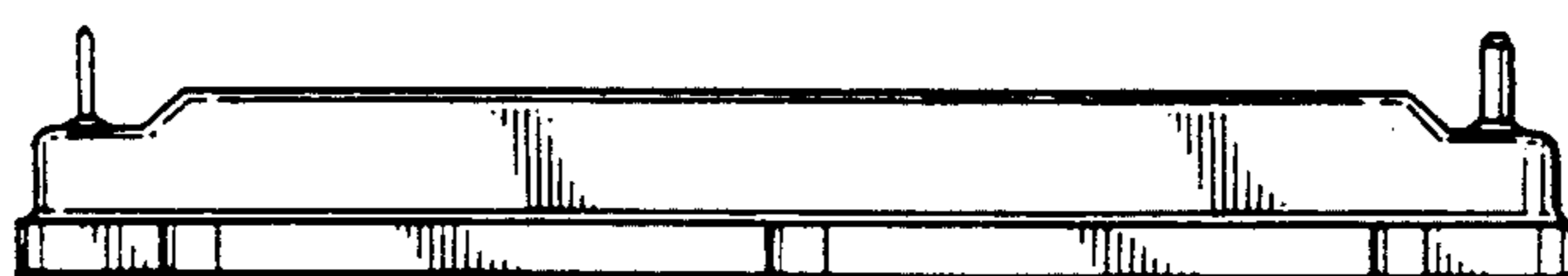


FIG. 33

FIG. 34

