

US00D494887S1

(12) **United States Design Patent** (10) **Patent No.:** **US D494,887 S**
Walraven (45) **Date of Patent:** **** Aug. 24, 2004**

(54) **CHANNEL FASTENER**

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(73) Assignee: **J. van Walraven BV**, Mijdrecht (NL)

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

(21) Appl. No.: **29/165,279**

(22) Filed: **Aug. 8, 2002**

(51) **LOC (7) Cl.** **02-07**

(52) **U.S. Cl.** **D11/200**

(58) **Field of Search** D11/200-231;
24/616, 631, 633, 641, 170, 305; D8/383

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **CLAIM**

The ornamental design for a channel fastener, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a channel fastener according to the present design;

FIG. 2 is a bottom plan view thereof;

FIG. 3 is an elevational view thereof from one side, the opposite side being symmetrical thereto;

FIG. 4 is a front elevational view thereof, taken 90° from FIG. 3, the opposite rear view being symmetrical thereto;

FIG. 5 is an elevational view thereof from the side opposite to that of FIG. 3, 90° from the view of FIG. 4;

FIG. 6 is a rear elevation view thereof, 90° from the view of FIG. 5; and,

FIG. 7 is a top plan view thereof.

The channel fastener of FIGS. 1-7 is used for interconnecting metal framing components and/or securing objects on such channel fastening components (for example, see U.S. Pat. No. 4,830,531).

FIGS. 1-7 show a channel fastener according to the present design having, from top to bottom, a metal washer having a large central hole for receiving a bolt, a plastic spring clamped on, and surrounding, the washer, a cage secured to the plastic spring and an elongated nut having a threaded central hole for receiving the bolt. To use the channel fastener, it is positioned relative to a part or parts of a metal structure (not shown) so that the part or parts are sandwiched between the washer and the nut and the spring element is pressed against the part or parts.

1 Claim, 1 Drawing Sheet

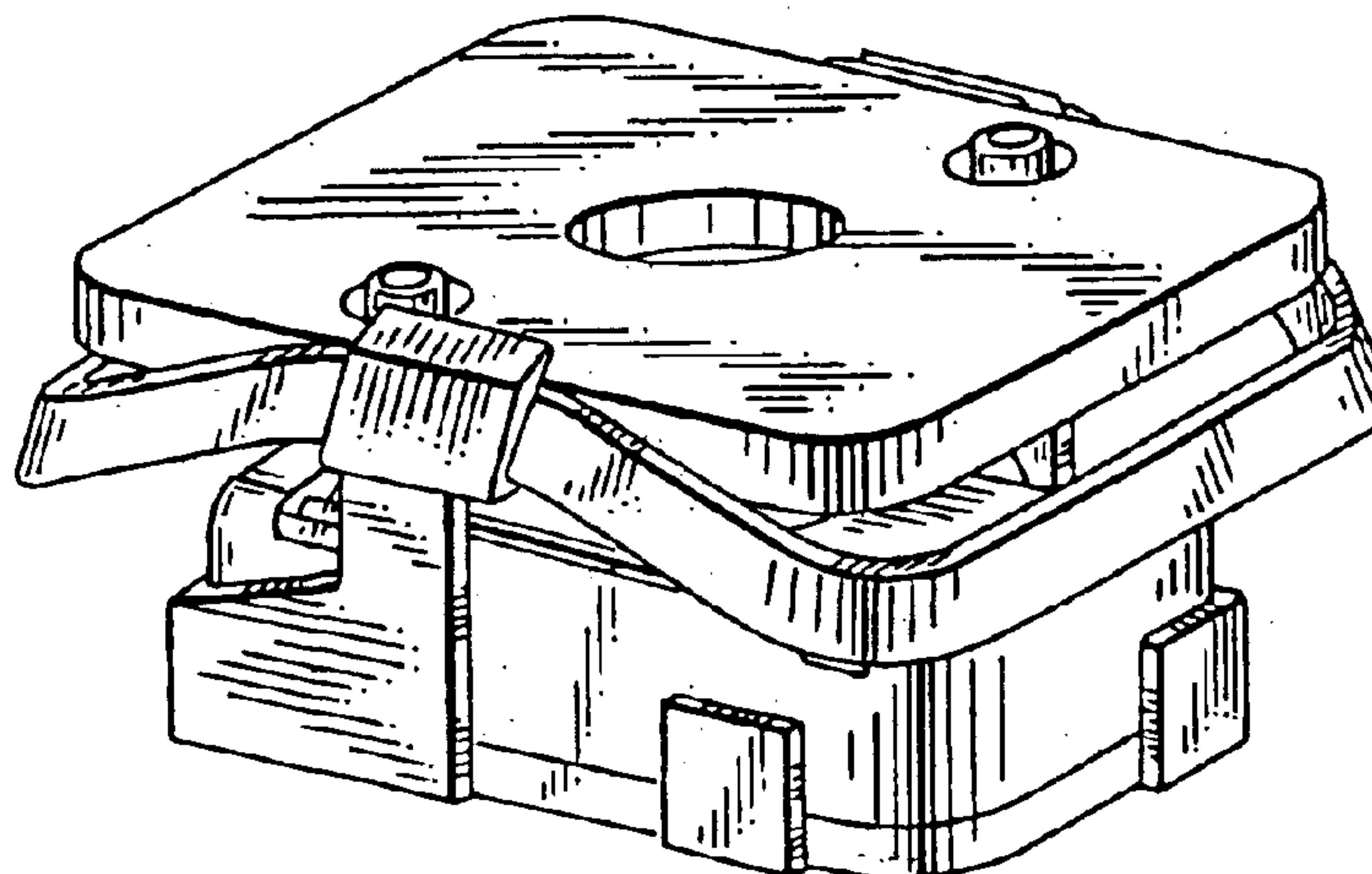


FIG. 1

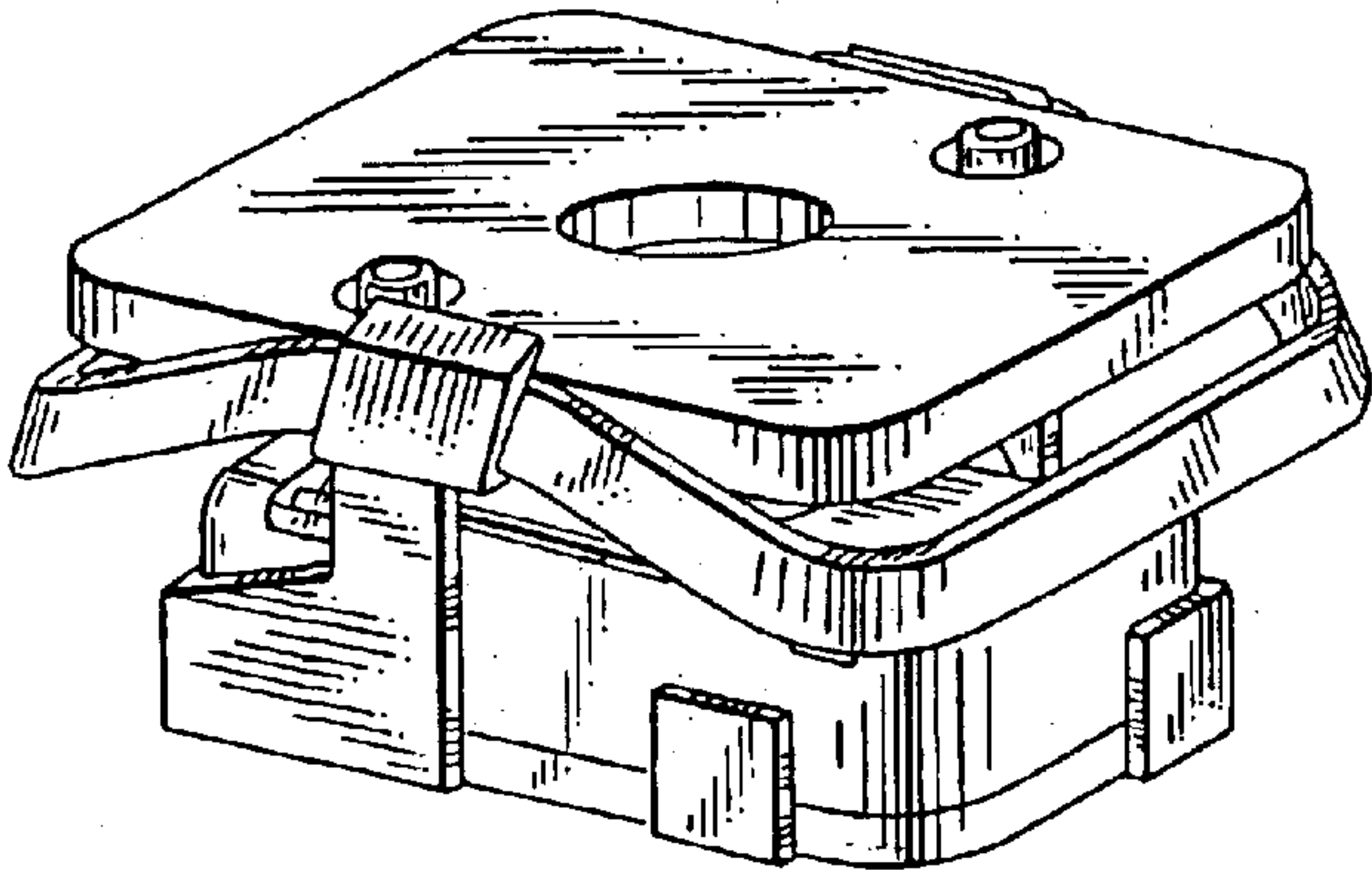


FIG. 2

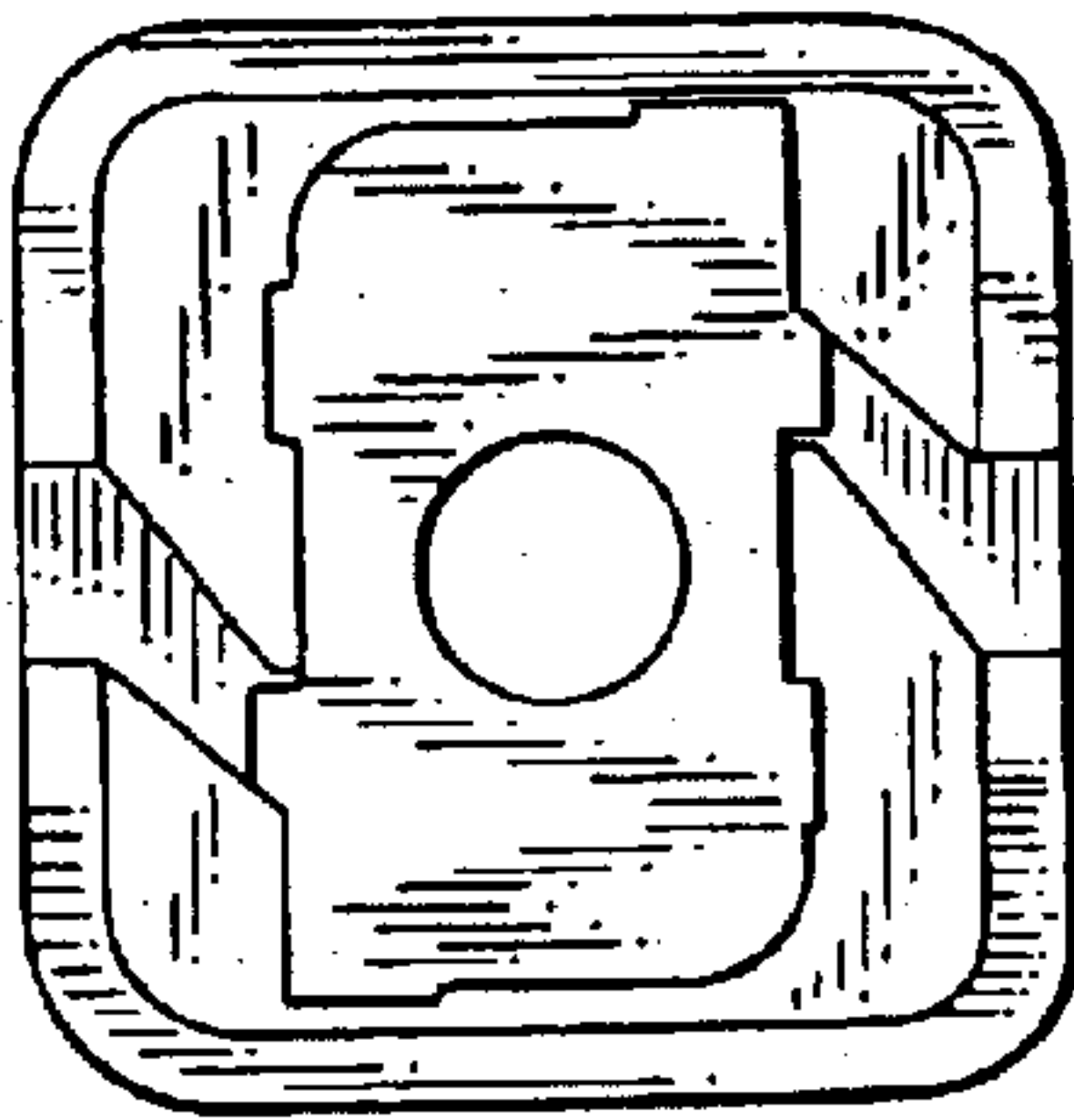


FIG. 3

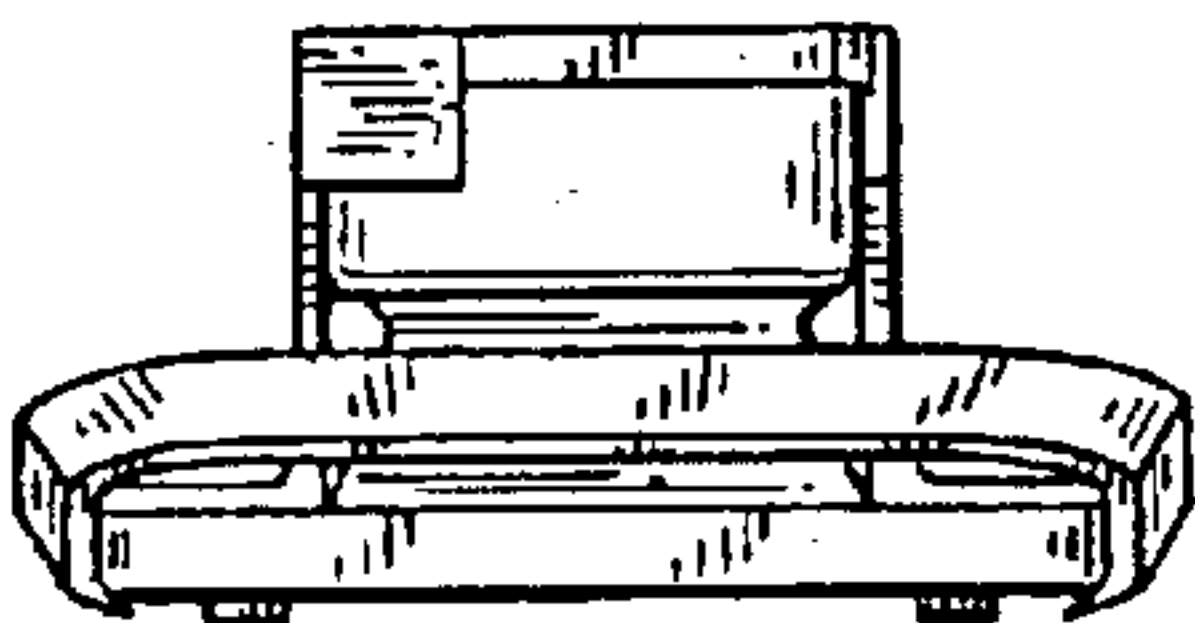


FIG. 4

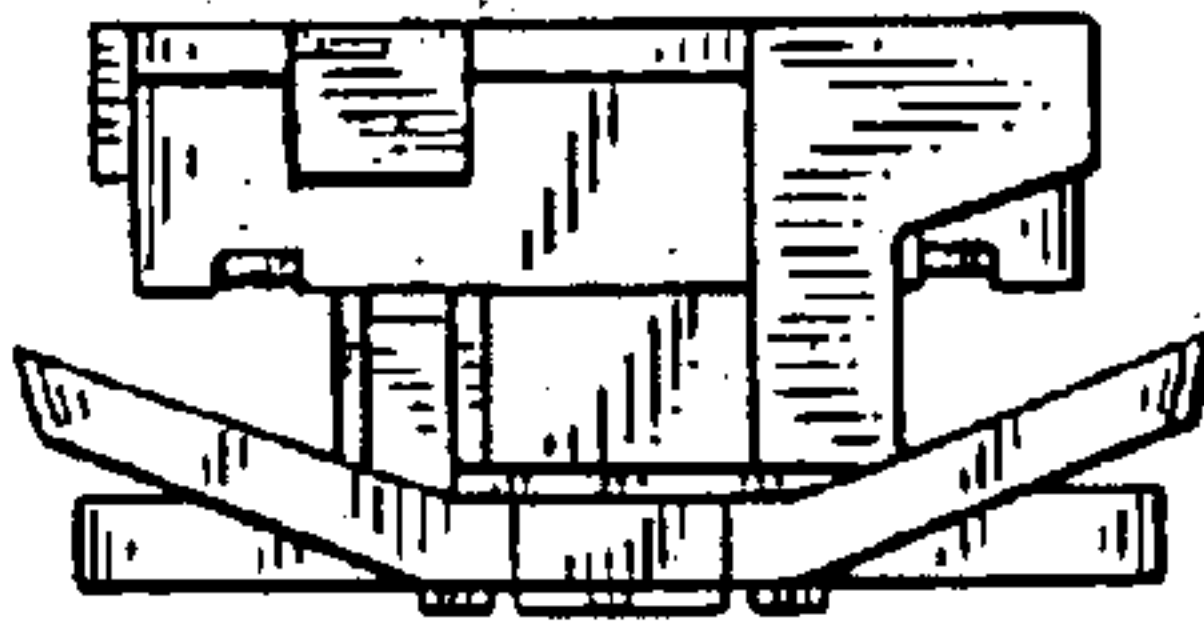


FIG. 5

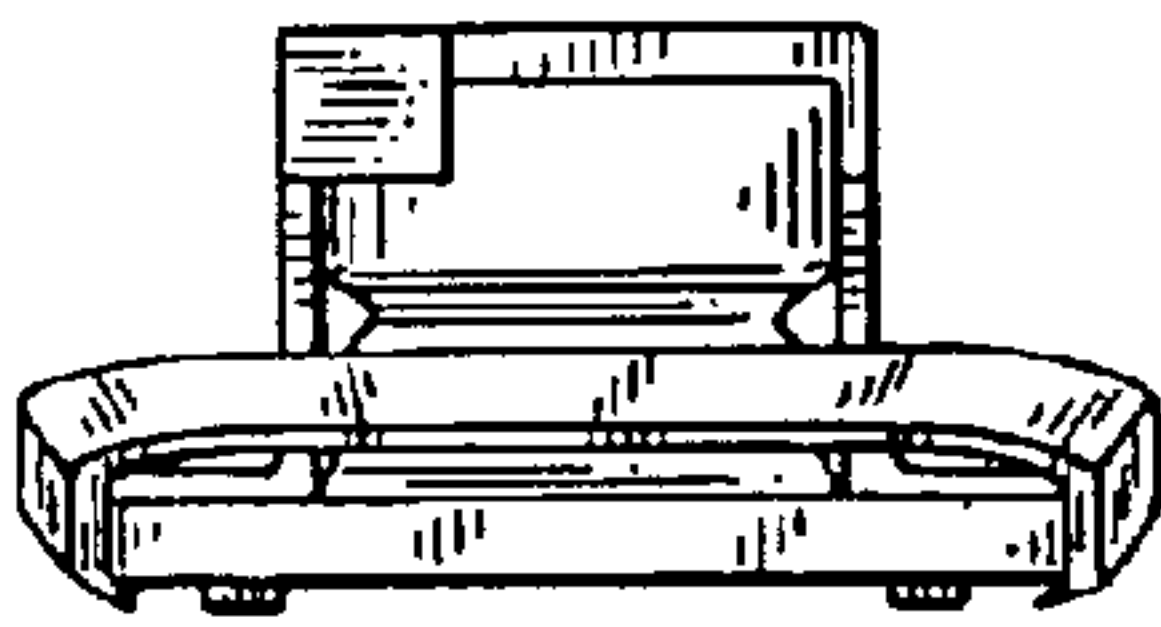


FIG. 6

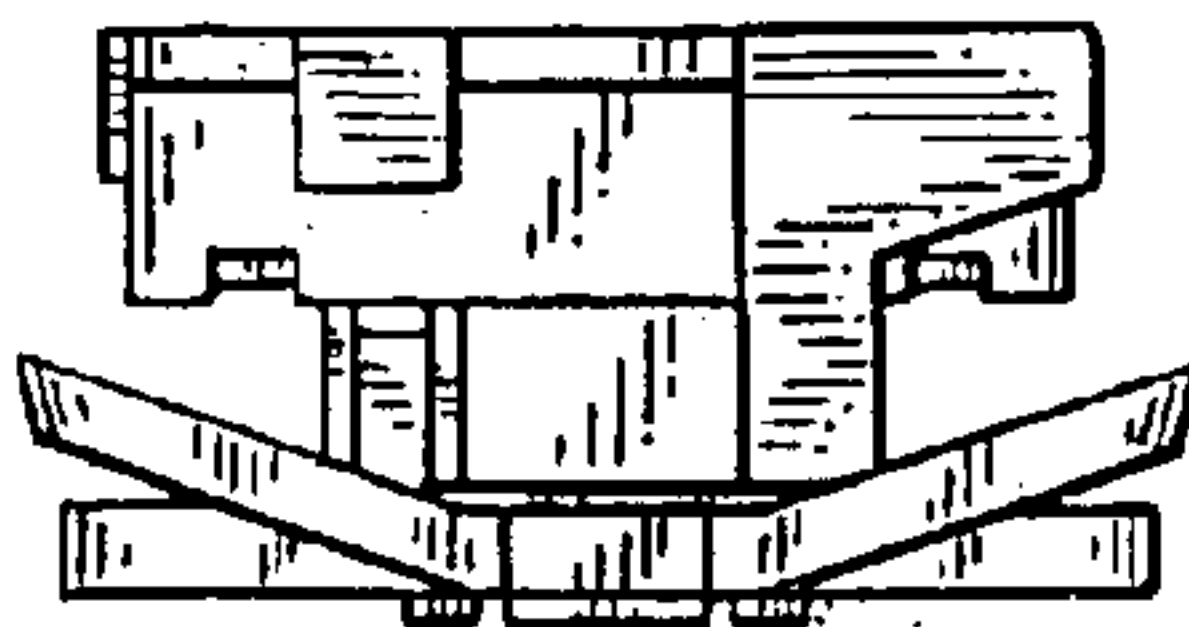


FIG. 7

