



US00D547377S

(12) **United States Design Patent** (10) **Patent No.:** **US D547,377 S**
Vazquez Gastellú (45) **Date of Patent:** **** Jul. 24, 2007**

(54) **GEOMETRY TEACHING TOY**

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

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(51) **LOC (8) Cl.** **19-07**

(52) **U.S. Cl.** **D19/64**

(58) **Field of Classification Search** D19/59-64;
D21/336, 372; 434/188, 195, 208, 211, 214,
434/283, 291

See application file for complete search history.

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Primary Examiner—Louis Zarfás

Assistant Examiner—Mark Cavanna

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(57) **CLAIM**

I claim the ornamental design for a geometry teaching toy, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a geometry teaching toy showing my new design with the external case shown separately for clarity of illustration;

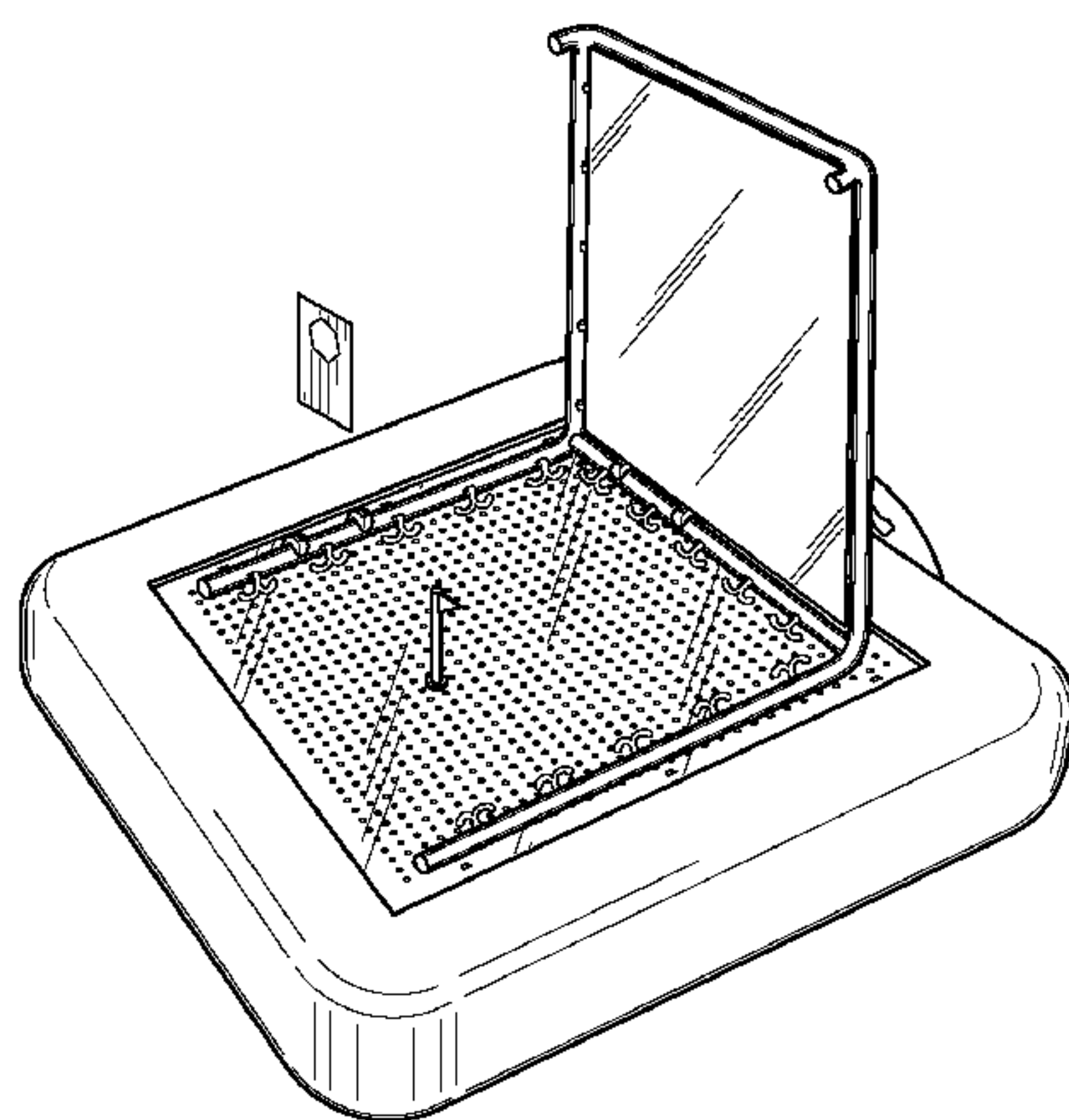


FIG. 2 is a side view of the external case with the opposite being a mirror image thereof;

FIG. 3 is a back view of the external case thereof;

FIG. 4 is top view of the external case thereof;

FIG. 5 is a greatly enlarged front view of a cover piece shown separately for clarity of illustration;

FIG. 6 is a side view of a cover piece with the opposite side being a mirror image thereof;

FIG. 7 is an enlarged side view of a ruler piece shown separately for clarity of illustration;

FIG. 8 is a greatly enlarged side view of a typical flag piece shown separately for clarity of illustration;

FIG. 9 is a front view of a flag piece thereof;

FIG. 10 is a perspective view of a flag piece thereof;

FIG. 11 is a greatly enlarged front view of a dice piece shown separately for clarity of illustration;

FIG. 12 is a perspective view of a dice piece thereof;

FIG. 13 is an enlarged perspective view of an irregular dice piece shown separately for clarity of illustration;

FIG. 14 is a front view of an irregular dice piece thereof;

FIG. 15 is a top view of an irregular dice piece thereof;

FIG. 16 is an enlarged-top view of a quadrangular prism piece shown separately for clarity of illustration;

FIG. 17 is a front view of a quadrangular prism piece thereof;

FIG. 18 is a perspective view of a quadrangular prism piece thereof;

FIG. 19 is an enlarged front view of a triangular prism piece shown separately for clarity of illustration;

FIG. 20 is a top view of a triangular prism piece thereof;

FIG. 21 is a perspective view of a triangular prism piece thereof;

FIG. 22 is an enlarged top view of a hexagonal prism piece shown separately for clarity of illustration;

FIG. 23 is a front view of a hexagonal prism piece thereof;

FIG. 24 is a perspective view of a hexagonal prism piece thereof;

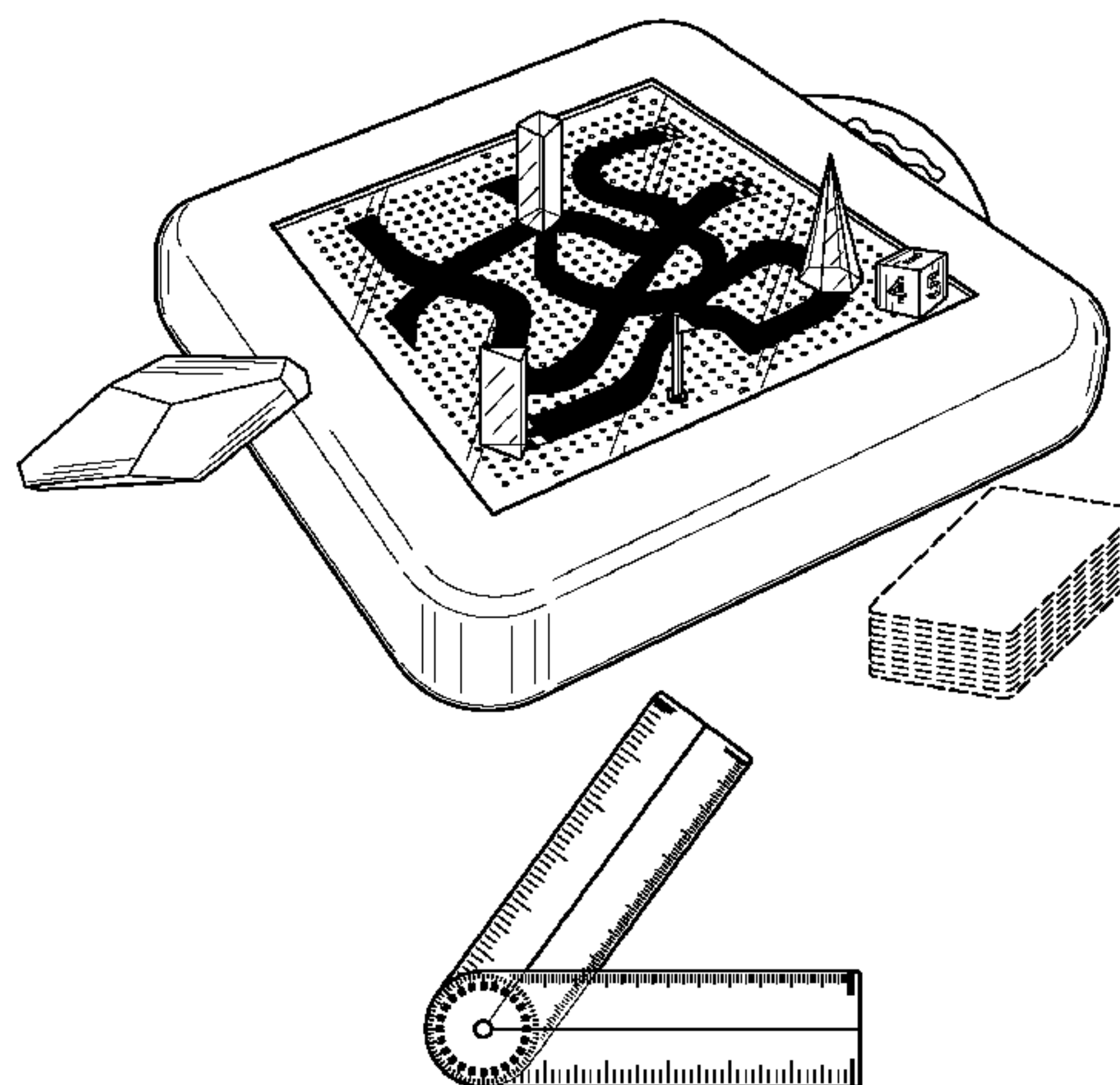


FIG. 25 is an enlarged exploded front view of a square pyramid piece shown separately for clarity of illustration;

FIG. 26 is a perspective view of a square pyramid piece without the peg attachment shown separately for clarity of illustration;

FIG. 27 is an enlarged top view of a triangle pyramid piece shown separately for clarity of illustration;

FIG. 28 is an enlarged front view of a triangle pyramid piece without the peg attachment shown separately for clarity of illustration;

FIG. 29 is a perspective view of a triangle pyramid piece thereof;

FIG. 30 is an enlarged top view of a hexagonal pyramid piece shown separately for clarity of illustration;

FIG. 31 is a front view of a hexagonal pyramid piece without the peg attachment shown separately for clarity of illustration;

FIG. 32 is a perspective view of a hexagonal pyramid piece thereof;

FIG. 33 is an enlarged front view of a protractor piece shown separately for clarity of illustration;

FIG. 34 is a side view of a protractor piece thereof;

FIG. 35 is an exploded perspective view with an enlarged and isolated perspective view of a frame piece being formed of stick pieces and square end pieces shown separately for clarity of illustration;

FIG. 36 is a front view of a stick piece thereof;

FIG. 37 is a top view of a square end piece thereof;

FIG. 38 is a side view of the square end piece thereof;

FIG. 39 is an exploded perspective view showing the external case and cover piece;

FIG. 40 is another perspective view showing the external case and cover piece assembly;

FIG. 41 is another perspective view, showing a play board panel installed over the cover piece and external case;

FIG. 42 is another perspective view, shown in condition of use with a flag and like flags shown in broken lines, forming no part of the claimed design;

FIG. 43 is another perspective view showing the hexagonal prism piece, hexagonal pyramid piece and triangular prism piece, in condition of use;

FIG. 44 is another perspective view, showing a partial frame piece and external case in condition of use;

FIG. 45 is another perspective view, showing the partial frame piece, external case and play board panel in condition of use;

FIG. 46 is another perspective view showing a frame piece, play board and external case in condition of use;

FIG. 47 is perspective view thereof, showing the cover piece, frame piece, play board, and external case in condition of use. The flashlight and light beam shown in broken lines is for illustrative purposes only and forms no part of the claimed design;

FIG. 48 is another perspective view, showing the cover piece, partial frame piece, play board and external case in condition of use. The flashlight and light beam is shown in broken lines for illustrative purposes only and forms no part of the claimed design;

FIG. 49 is a perspective view thereof, showing the cover piece, partial frame piece, external case, flag and play board in condition of use. The card and like flags are shown in broken lines for illustrative purposes only and forms no part of the claimed design; and,

FIG. 50 is another perspective view, showing play board, external case, ruler piece, flag, irregular dice piece, hexagonal prism piece, hexagonal pyramid piece and triangular prism piece in condition of use. The cards, like flags and dice indicia shown in broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 14 Drawing Sheets

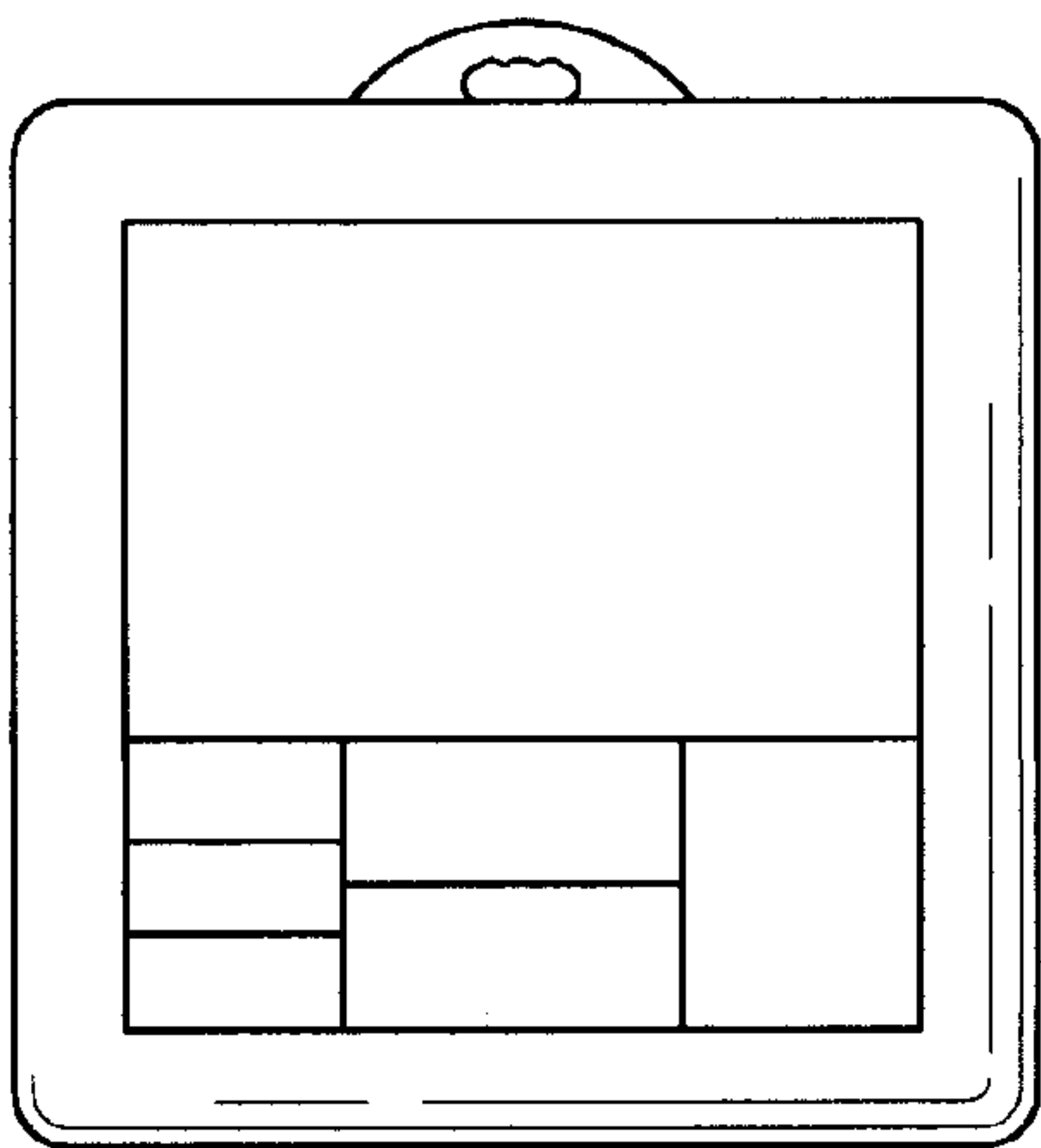


Fig. 1

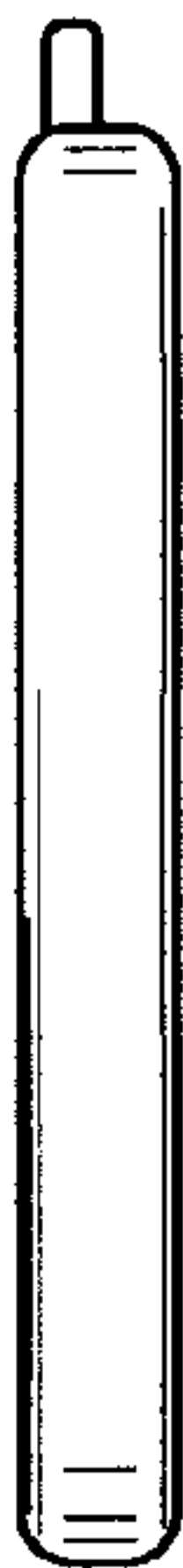


Fig. 2

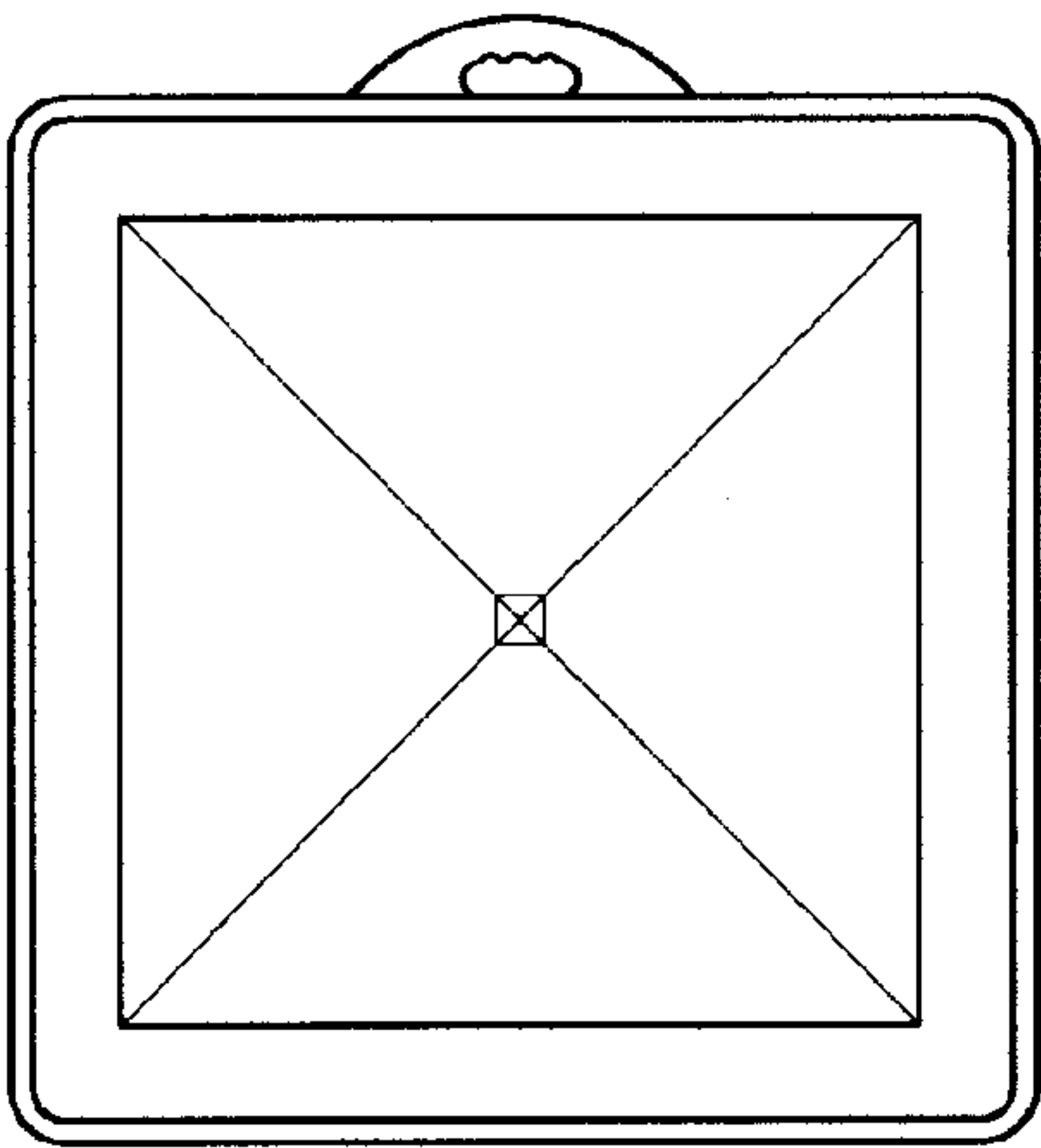


Fig. 3

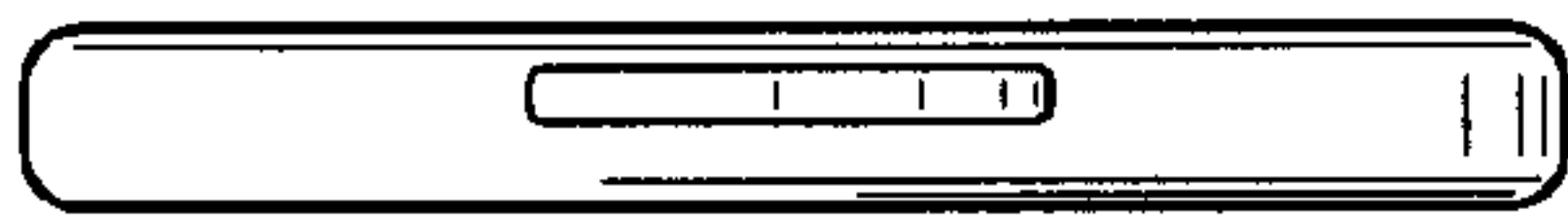


Fig. 4

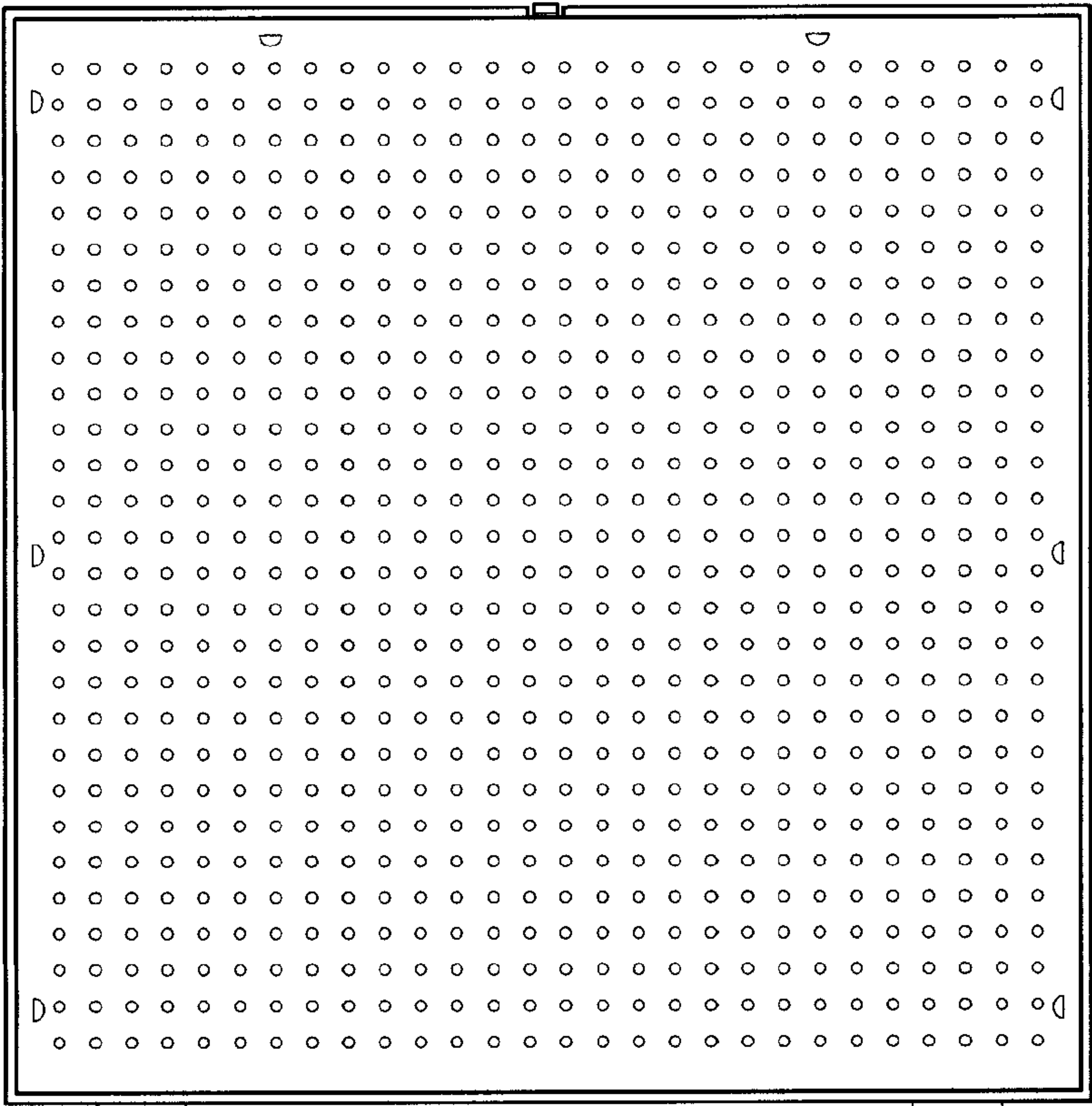


Fig. 5



Fig. 6

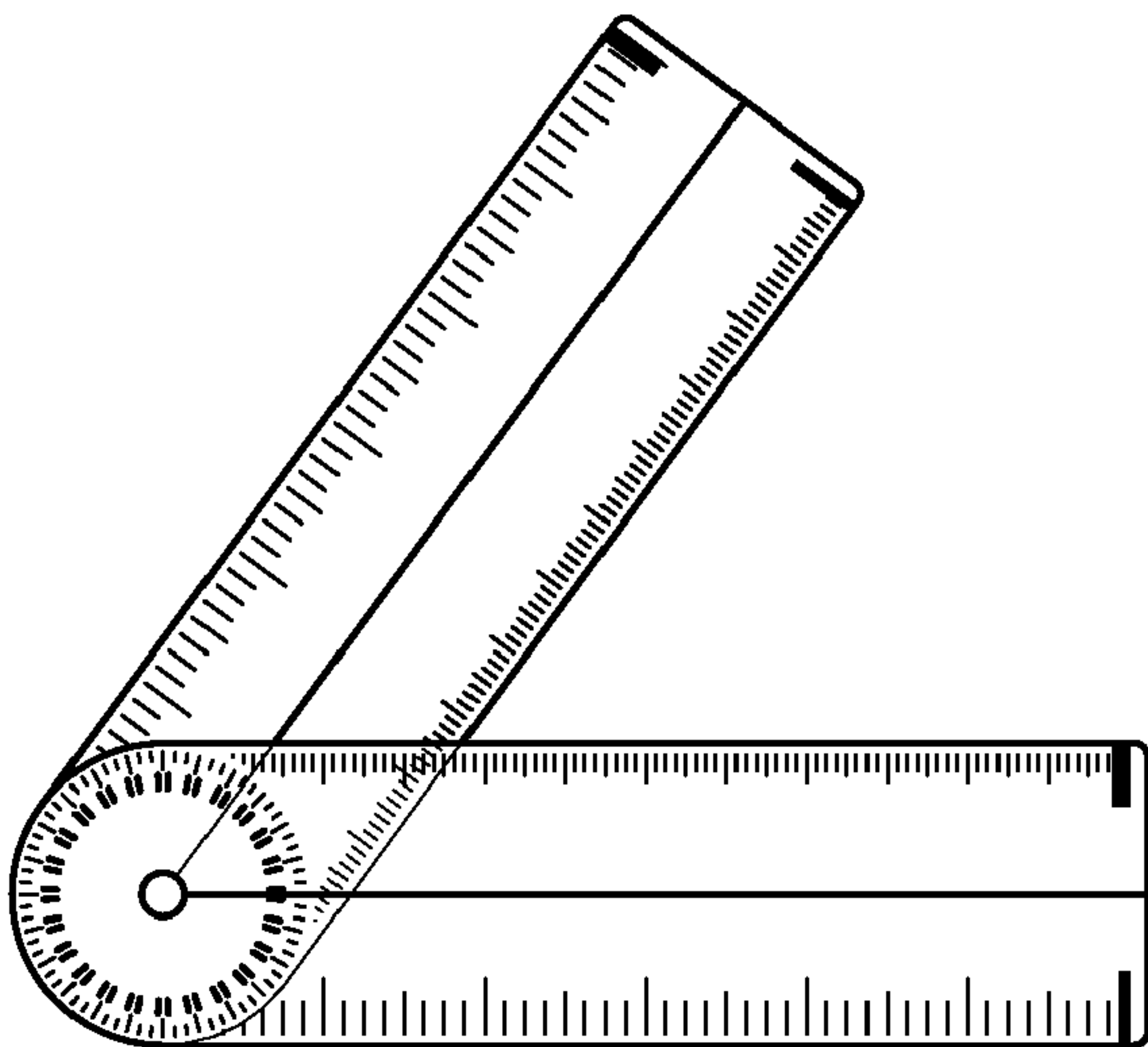


Fig. 7

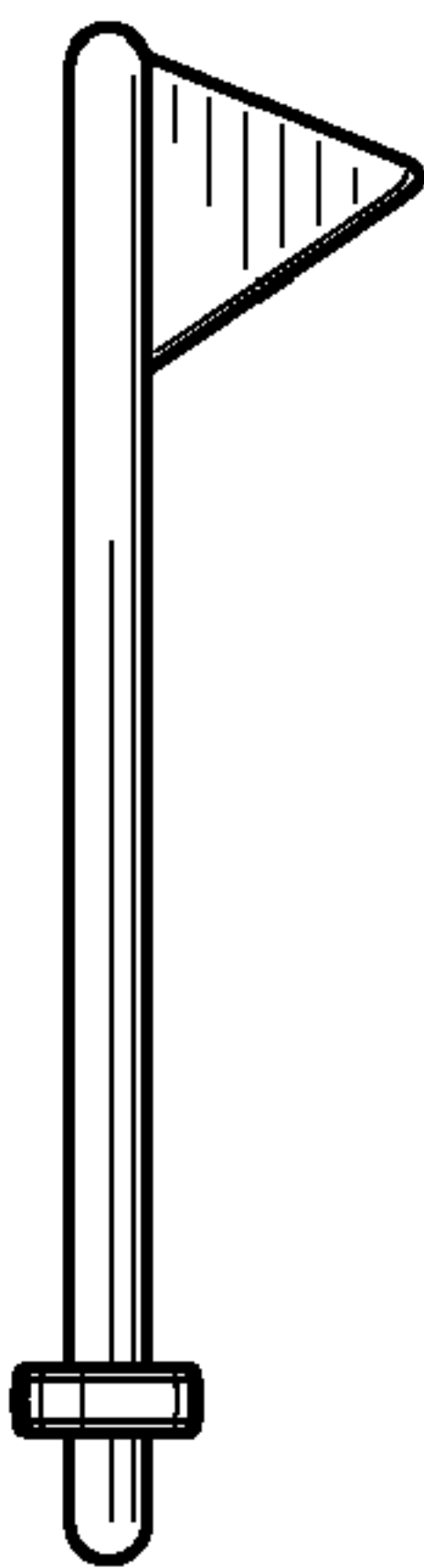


Fig. 8

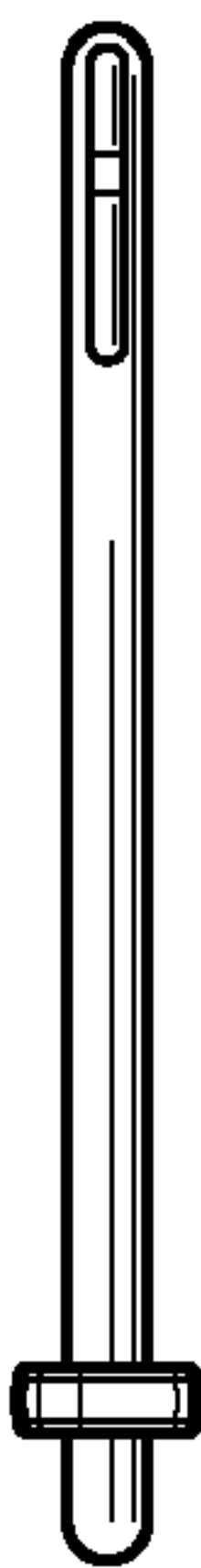


Fig. 9

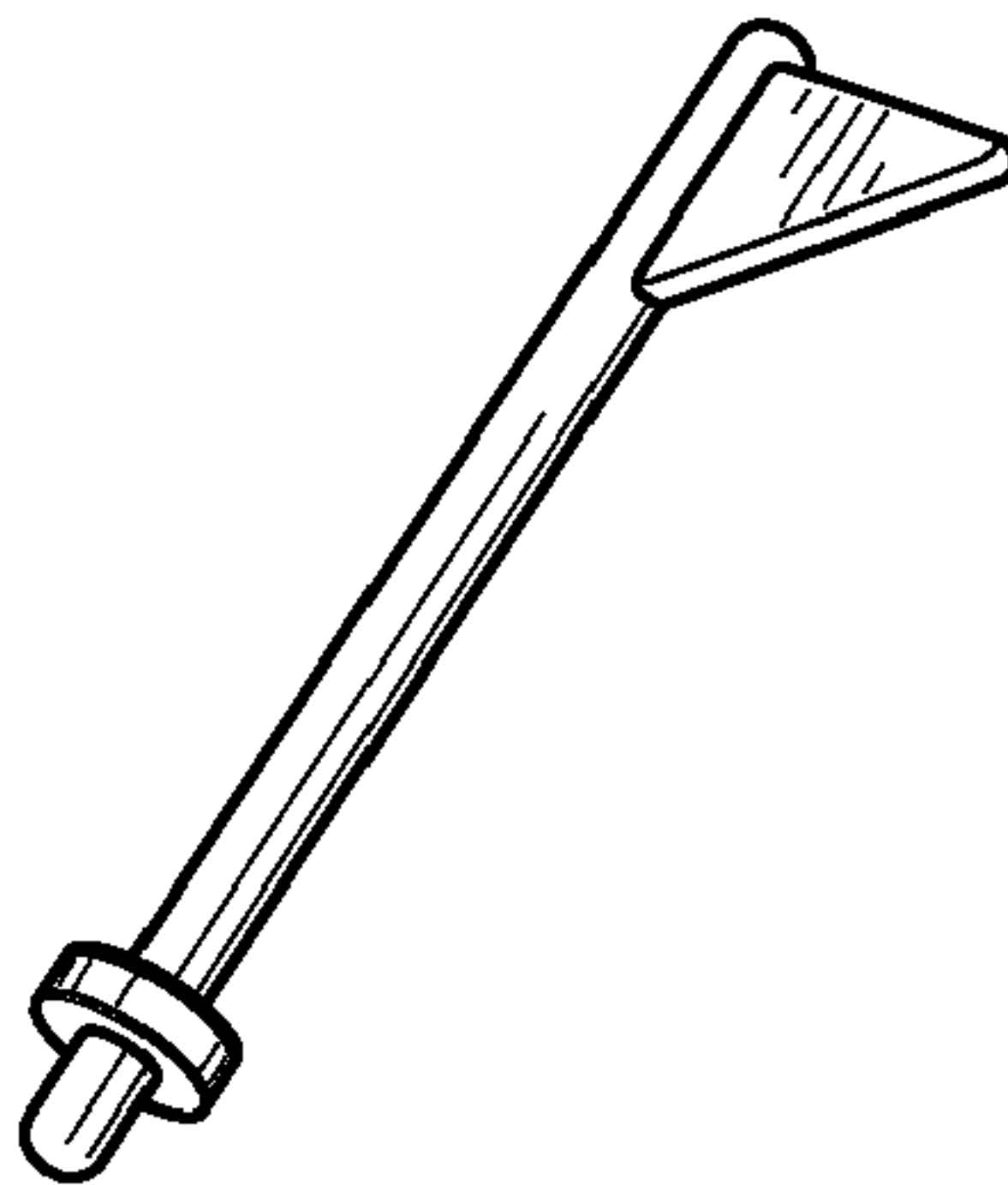


Fig. 10

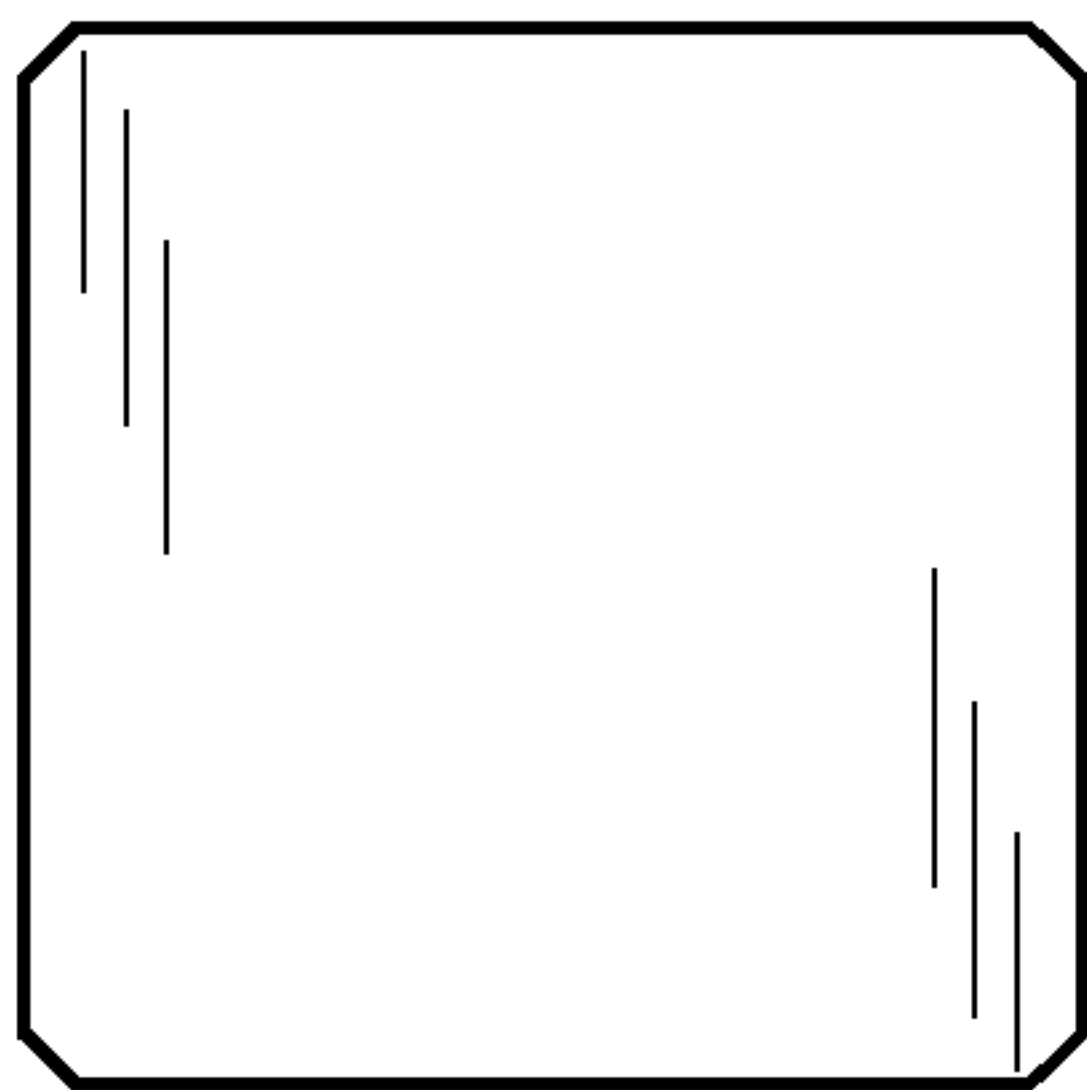


Fig. 11

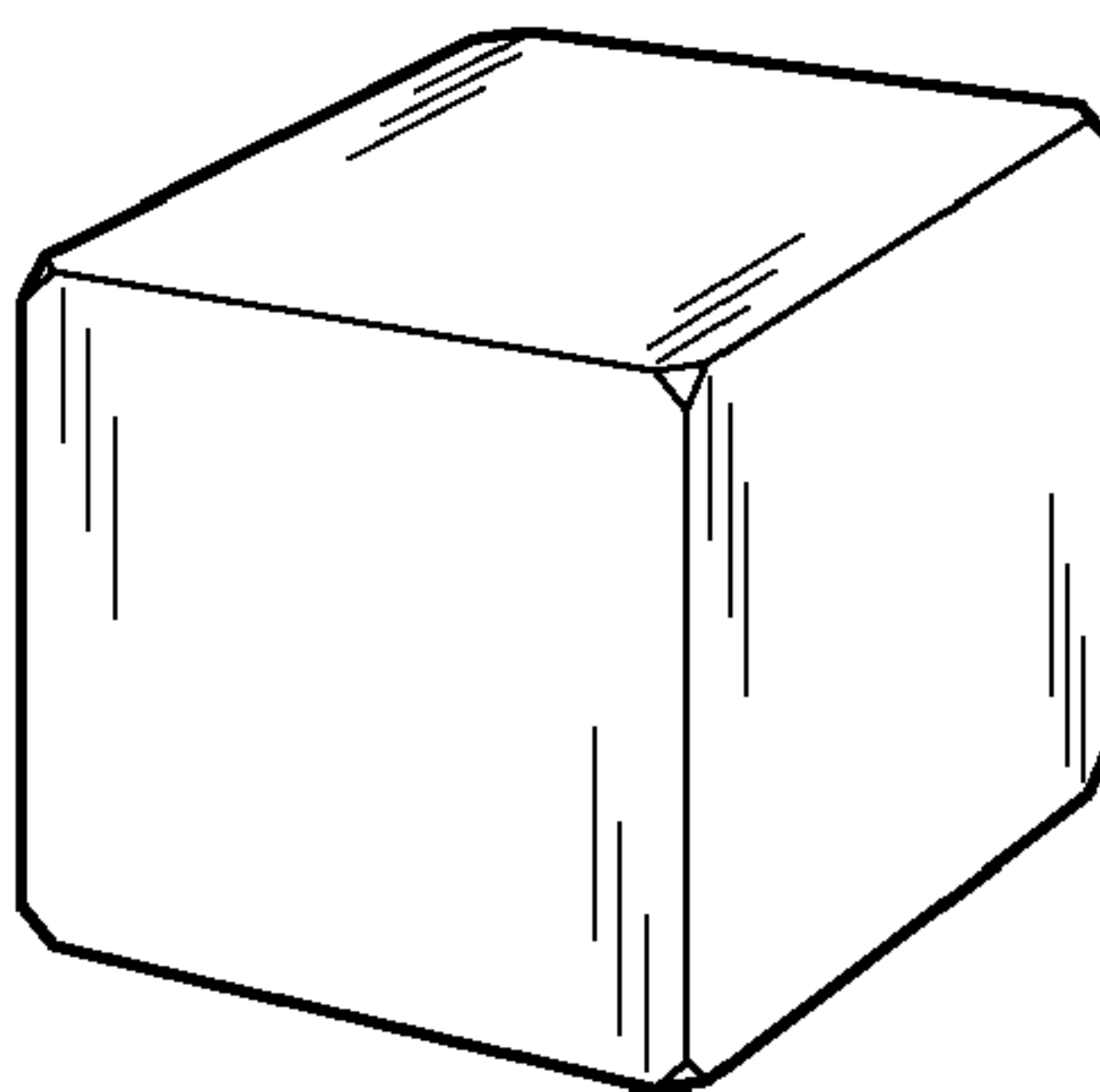


Fig. 12

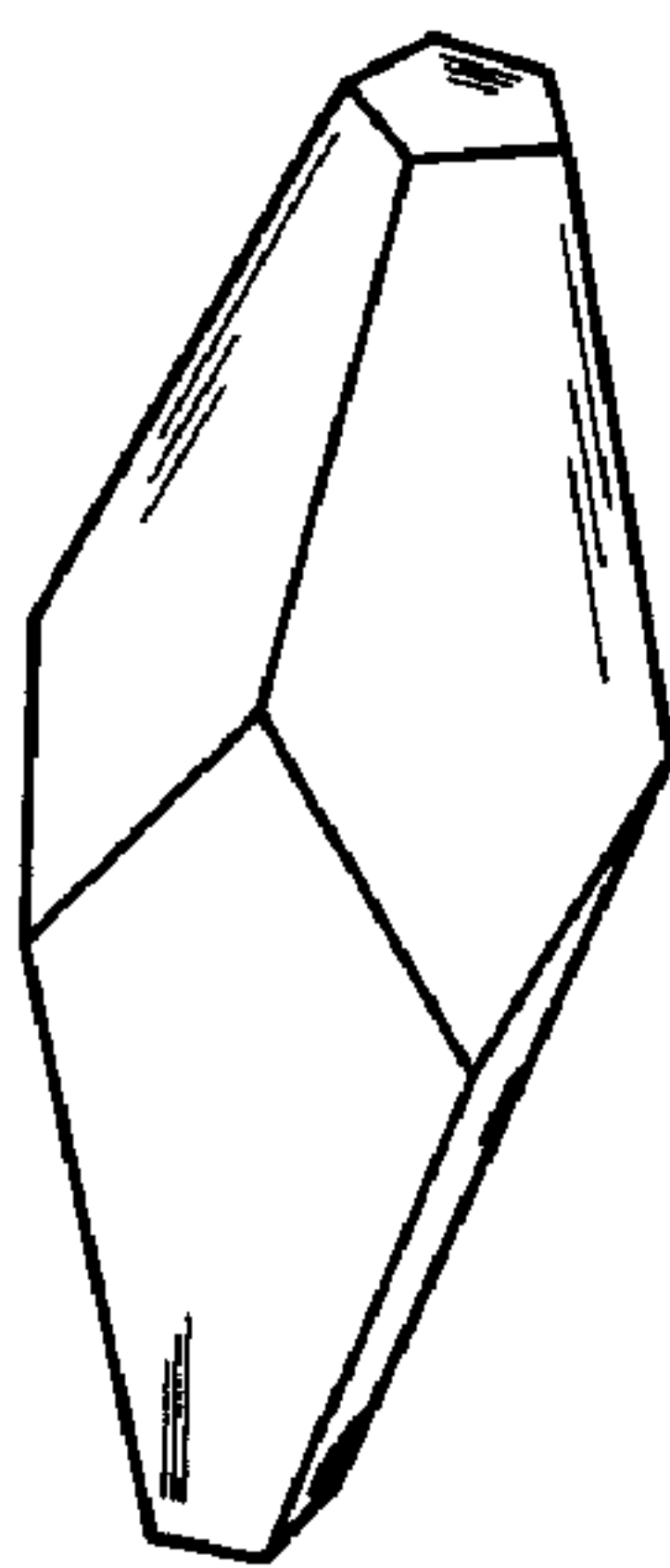


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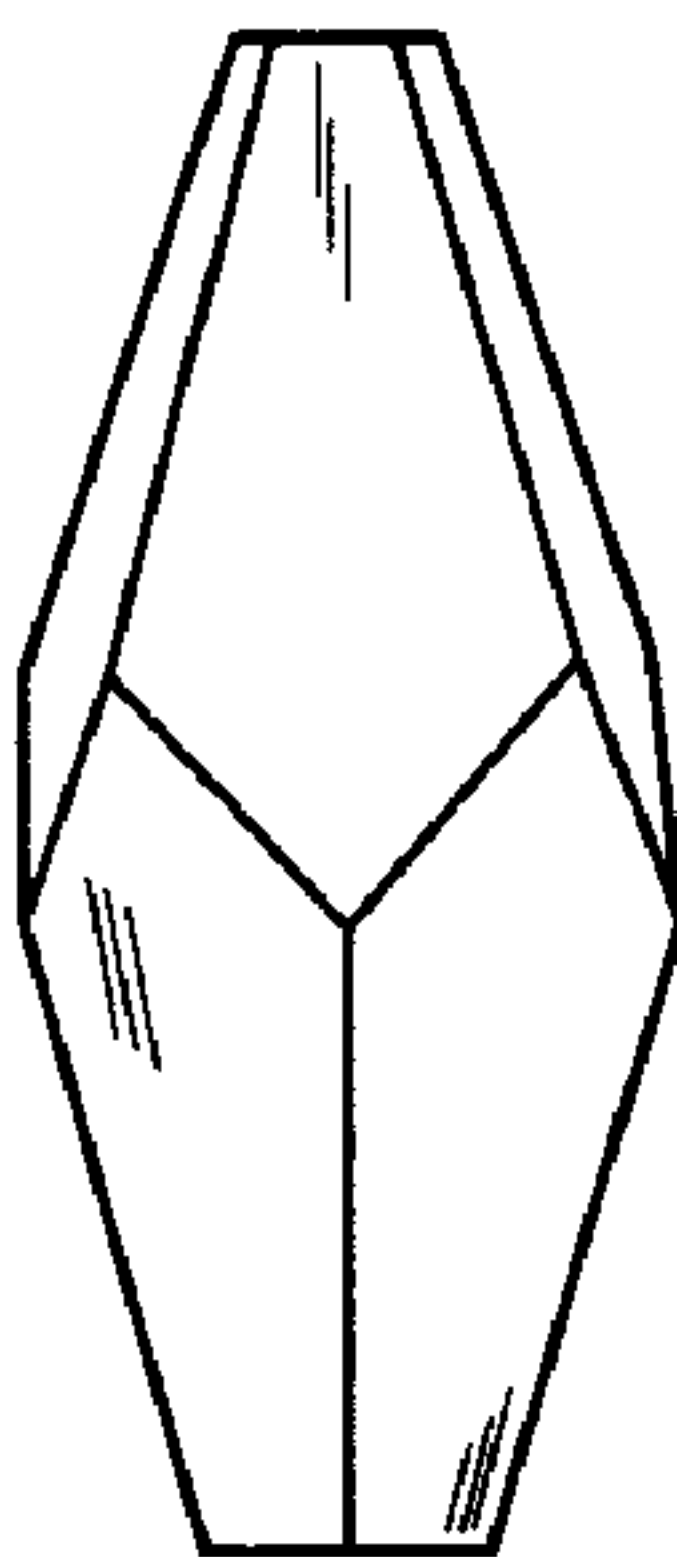


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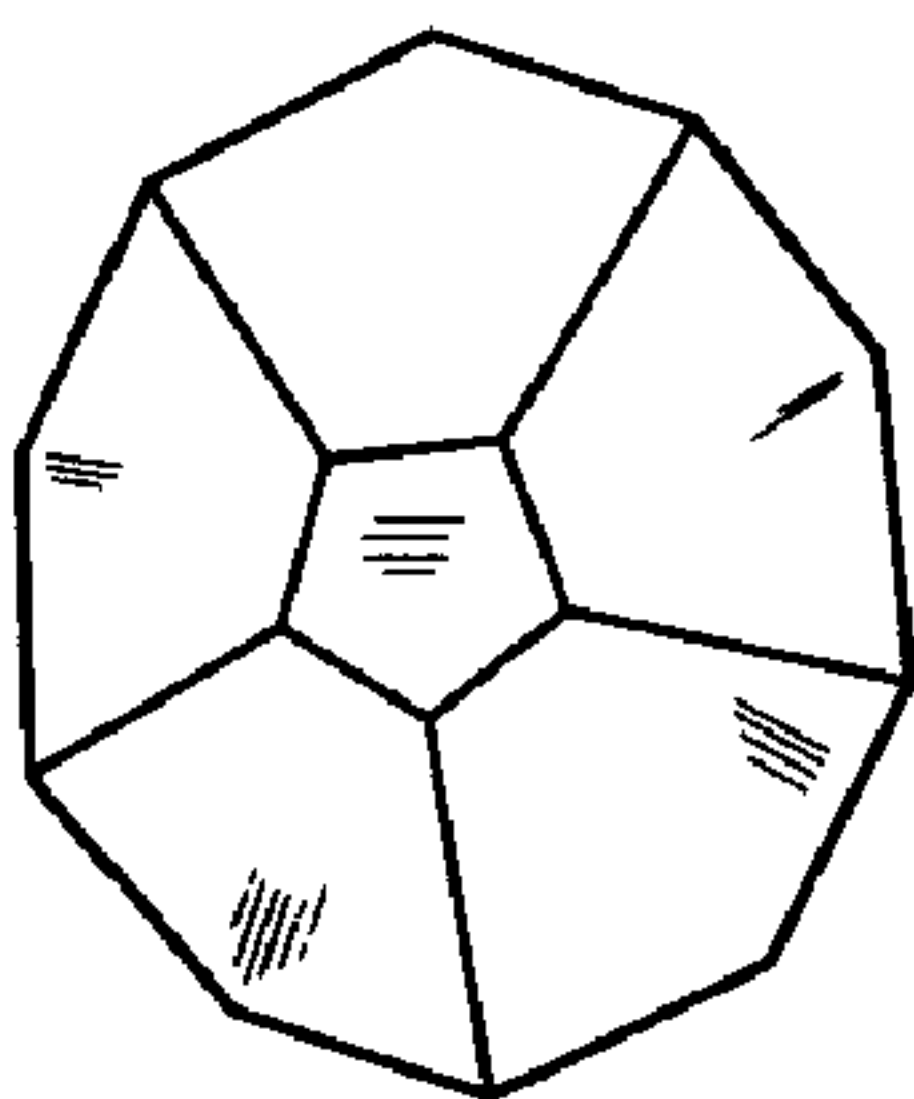


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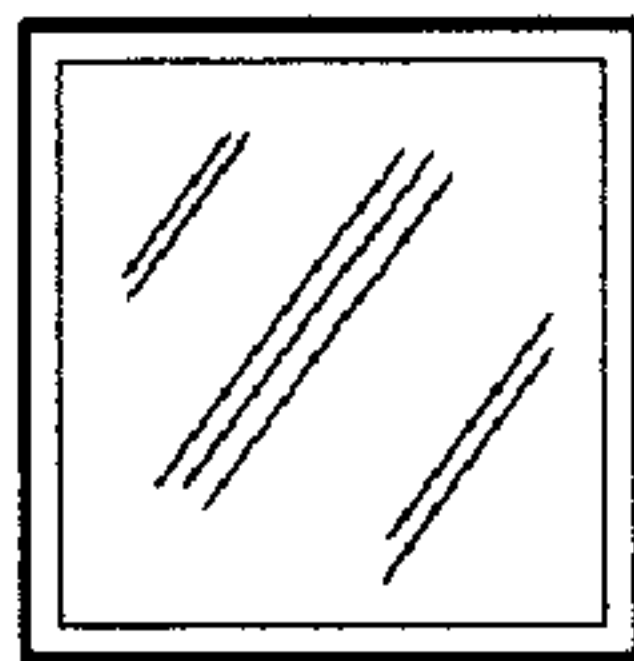


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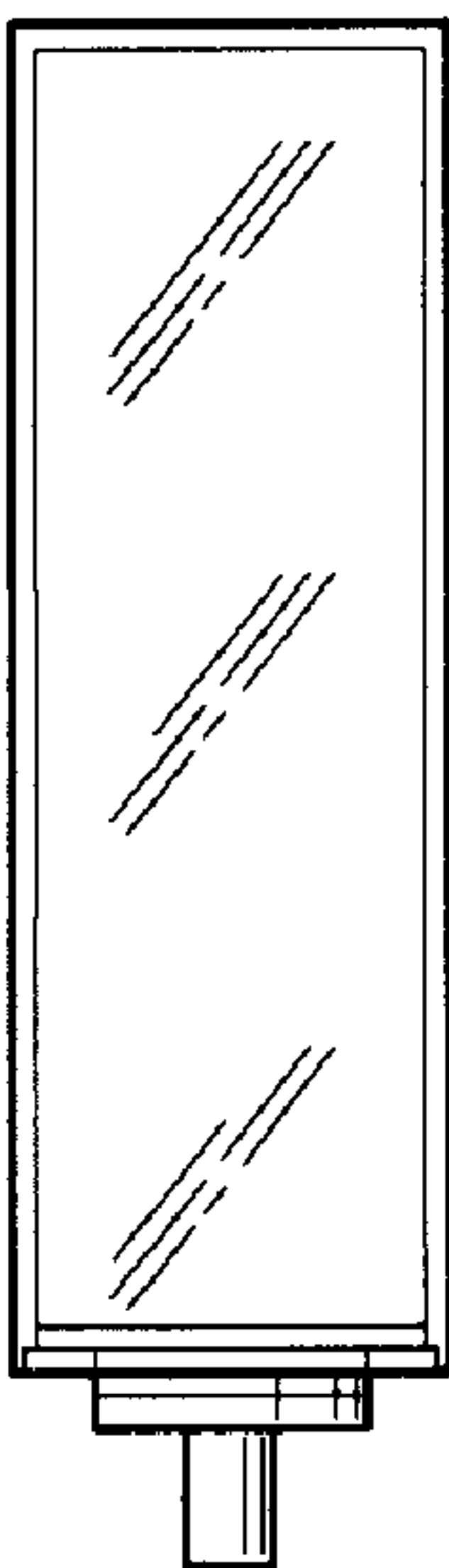


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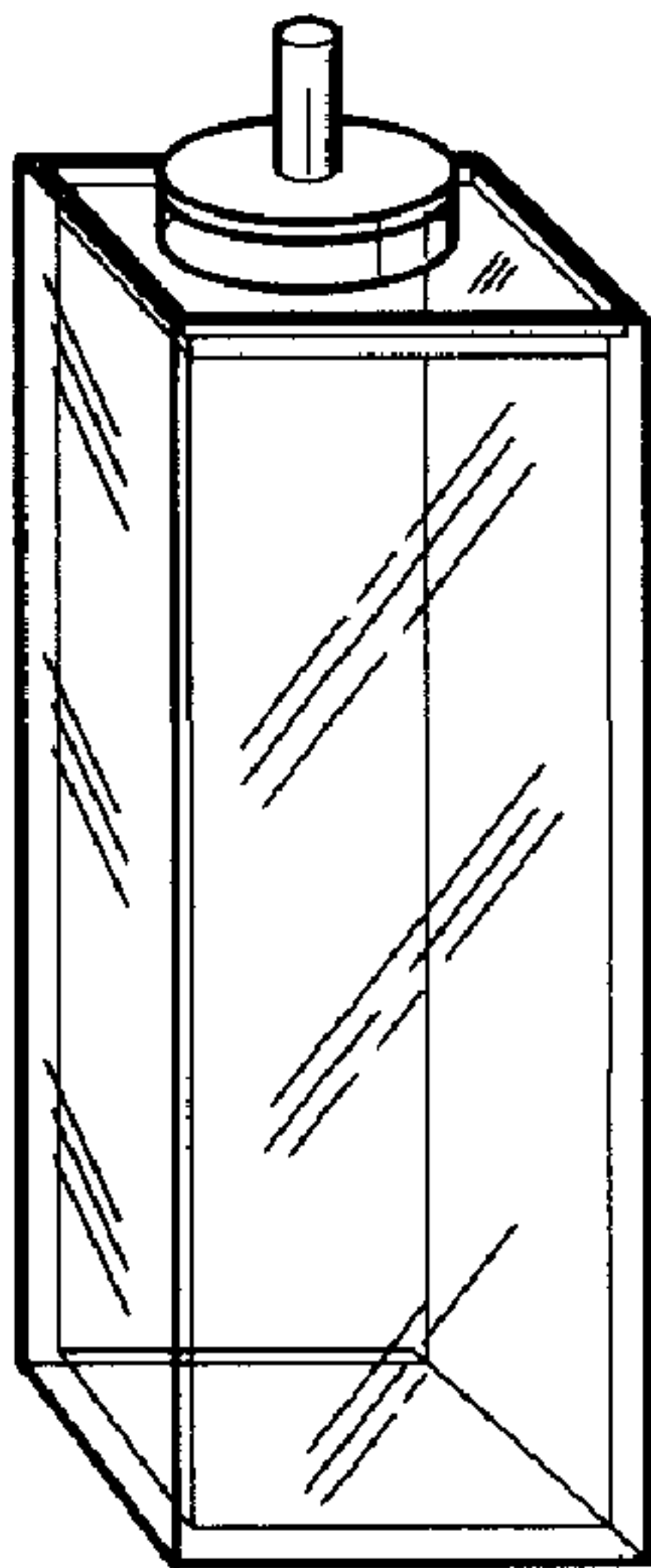


Fig. 18

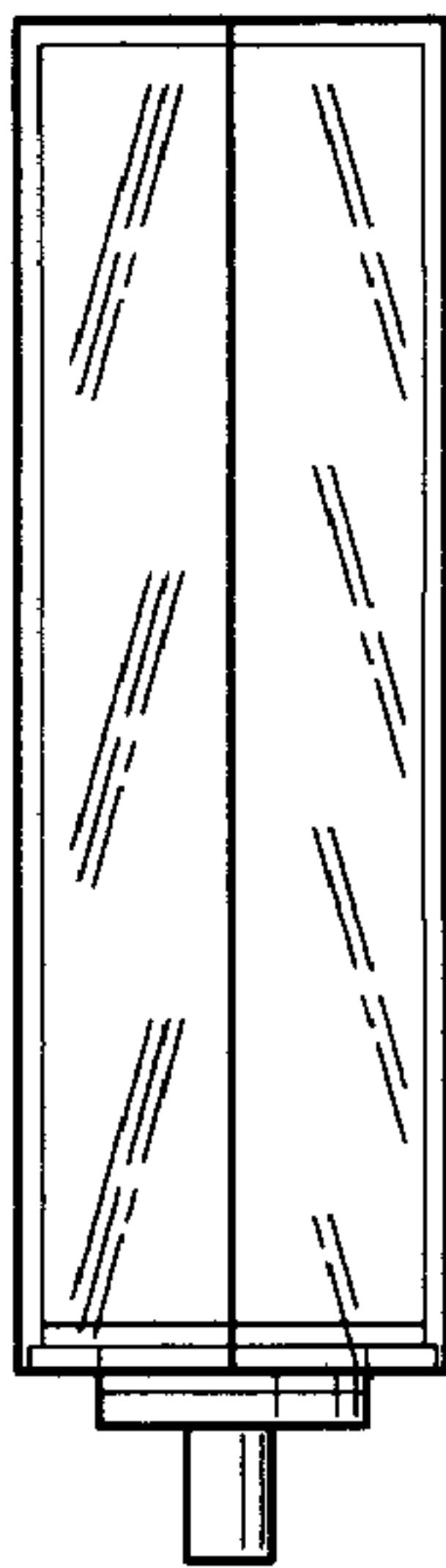


Fig. 19

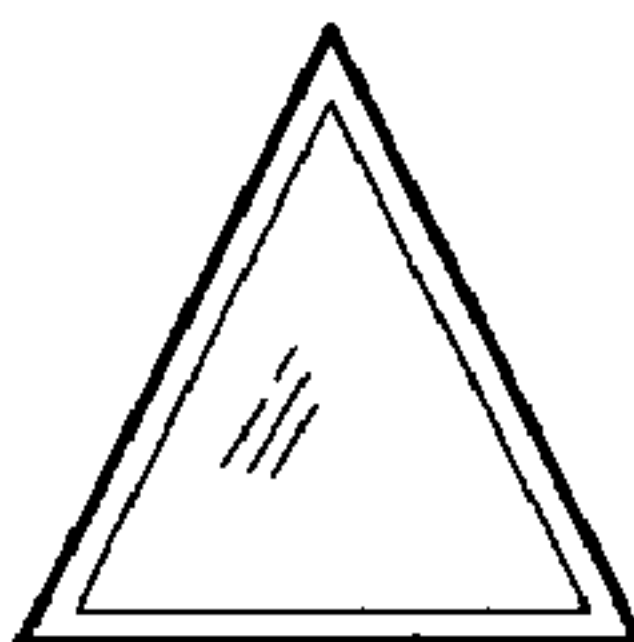


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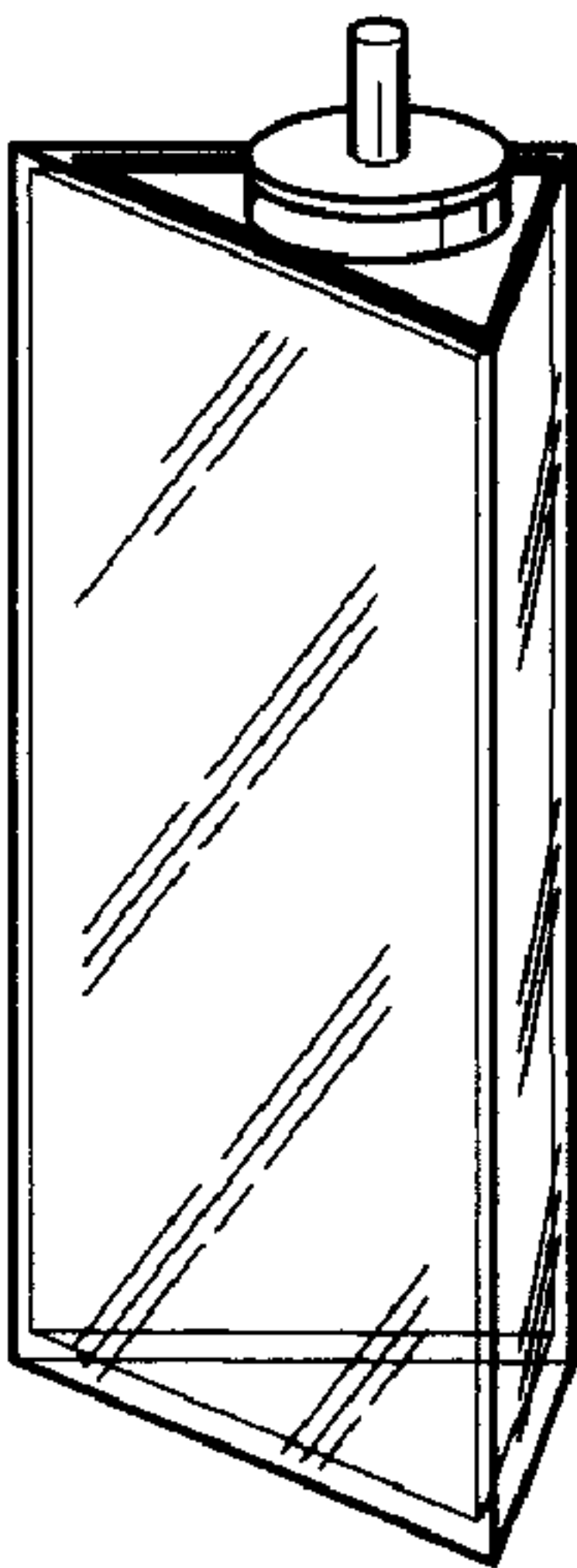


Fig. 21



Fig. 22

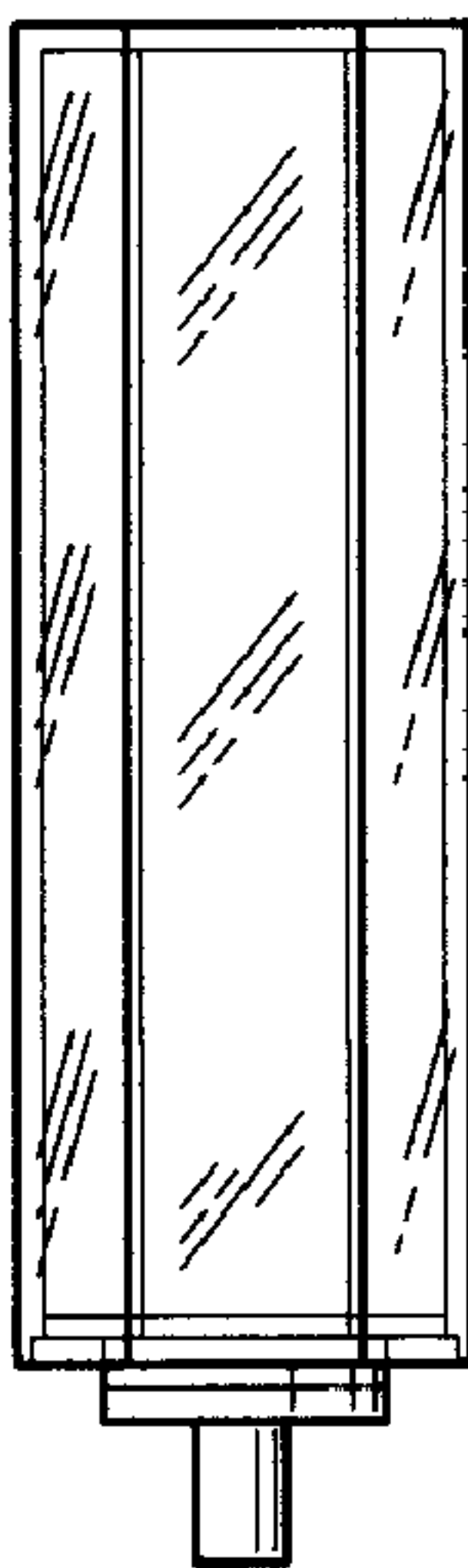


Fig. 23

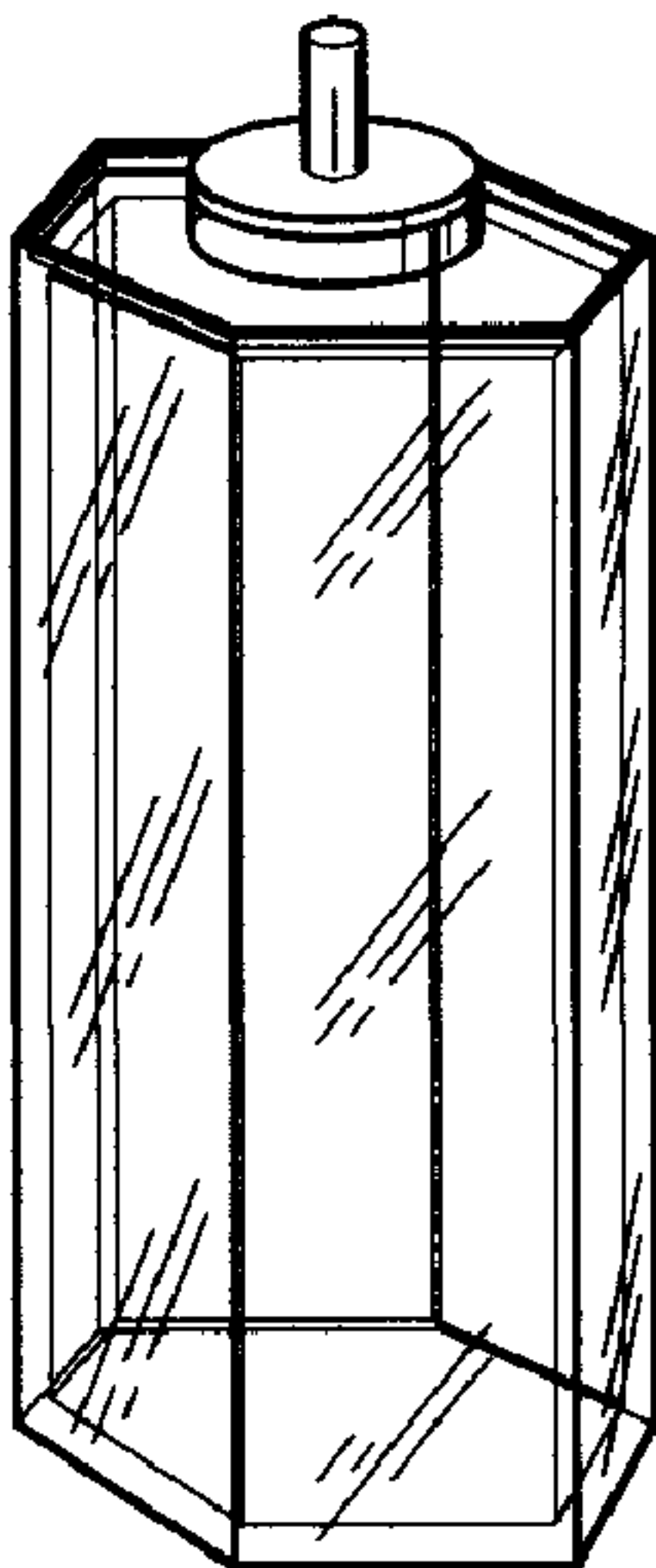


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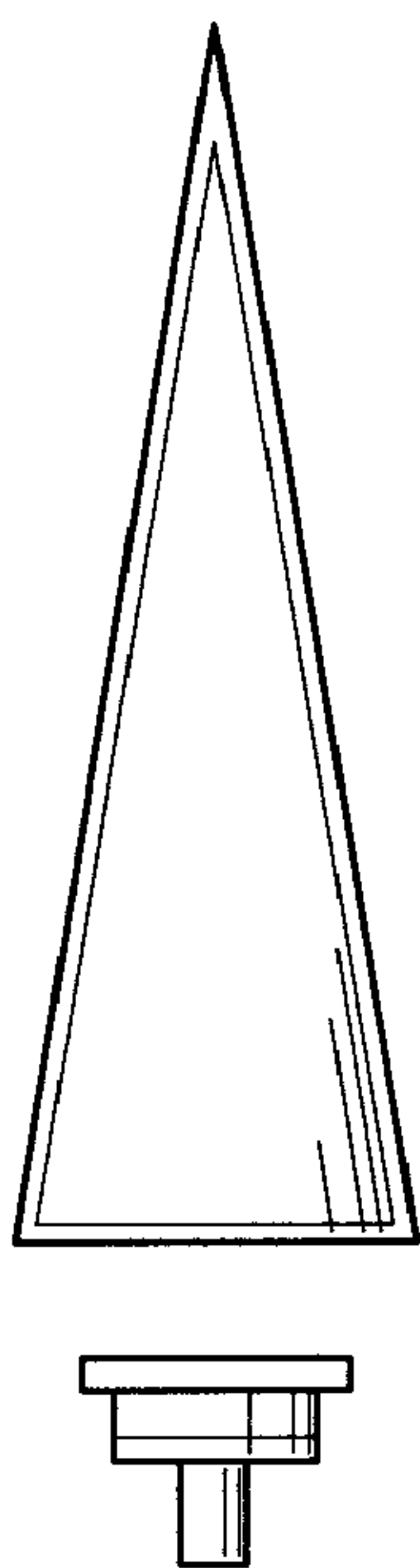


Fig. 25

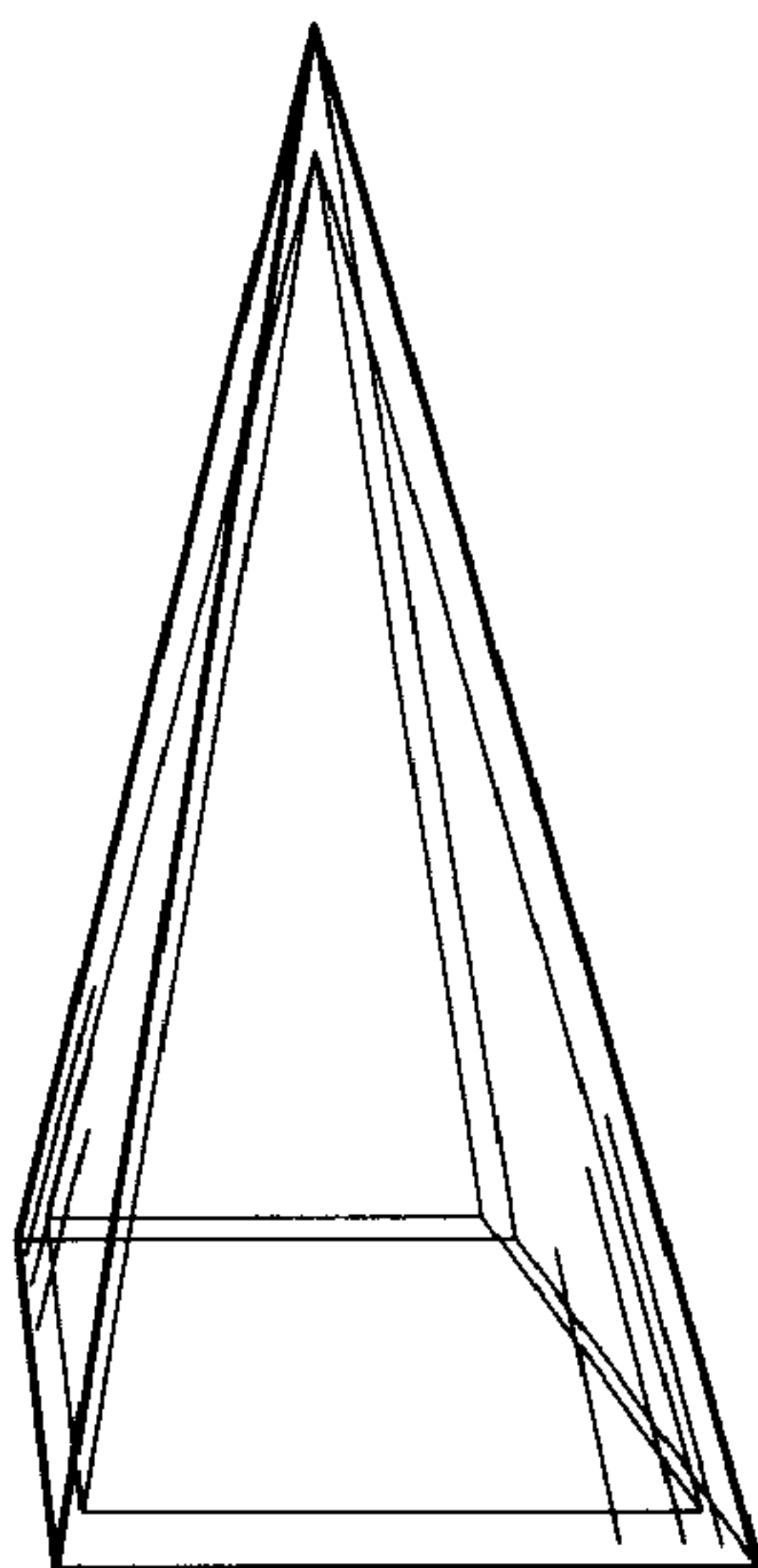


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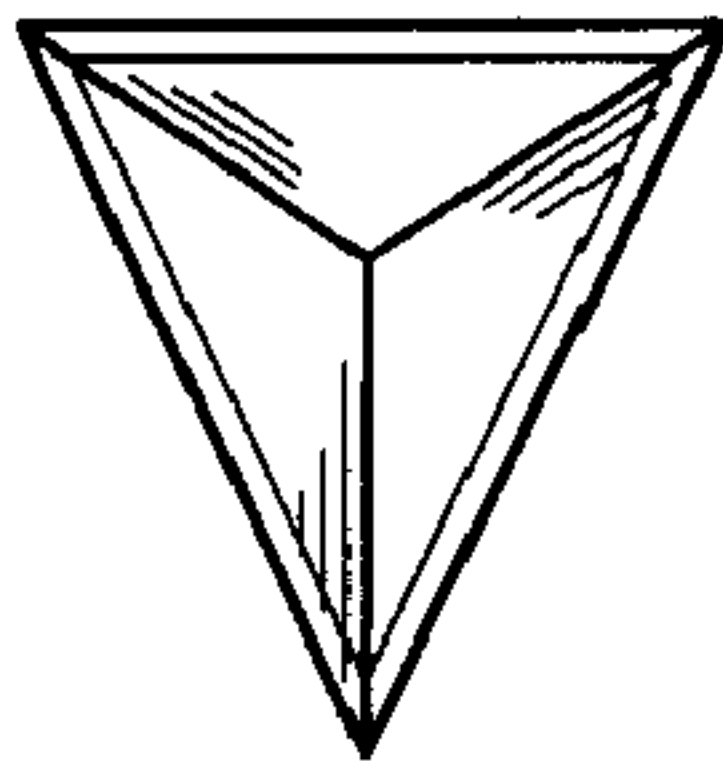


Fig. 27

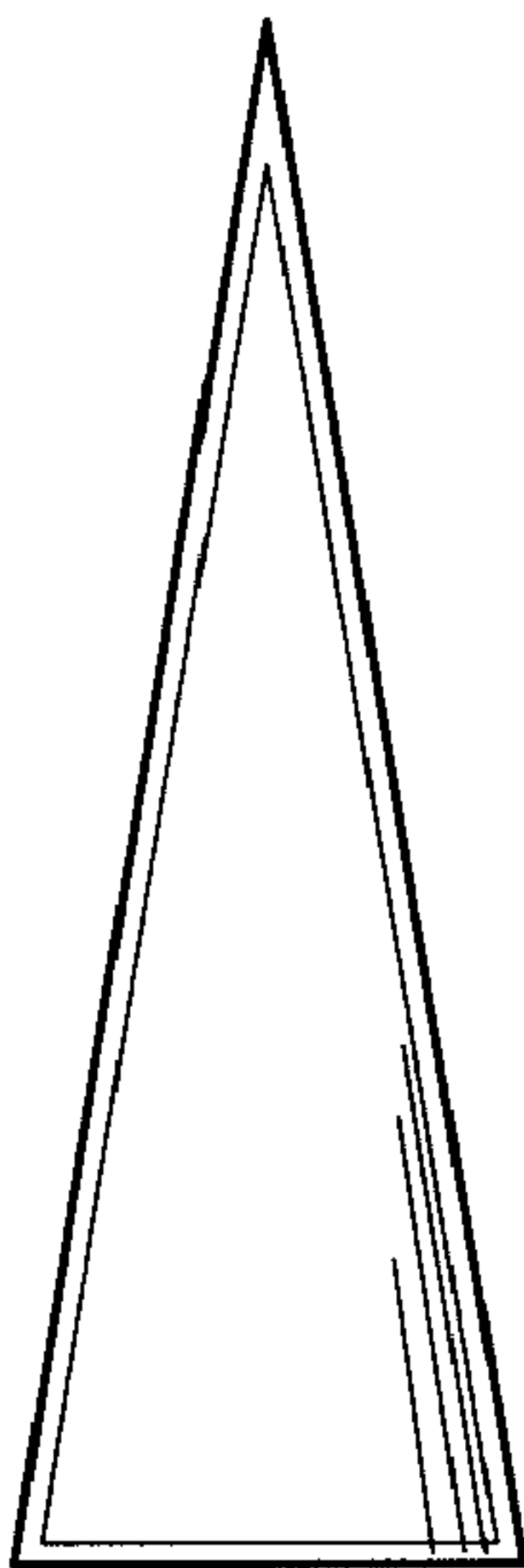


Fig. 28

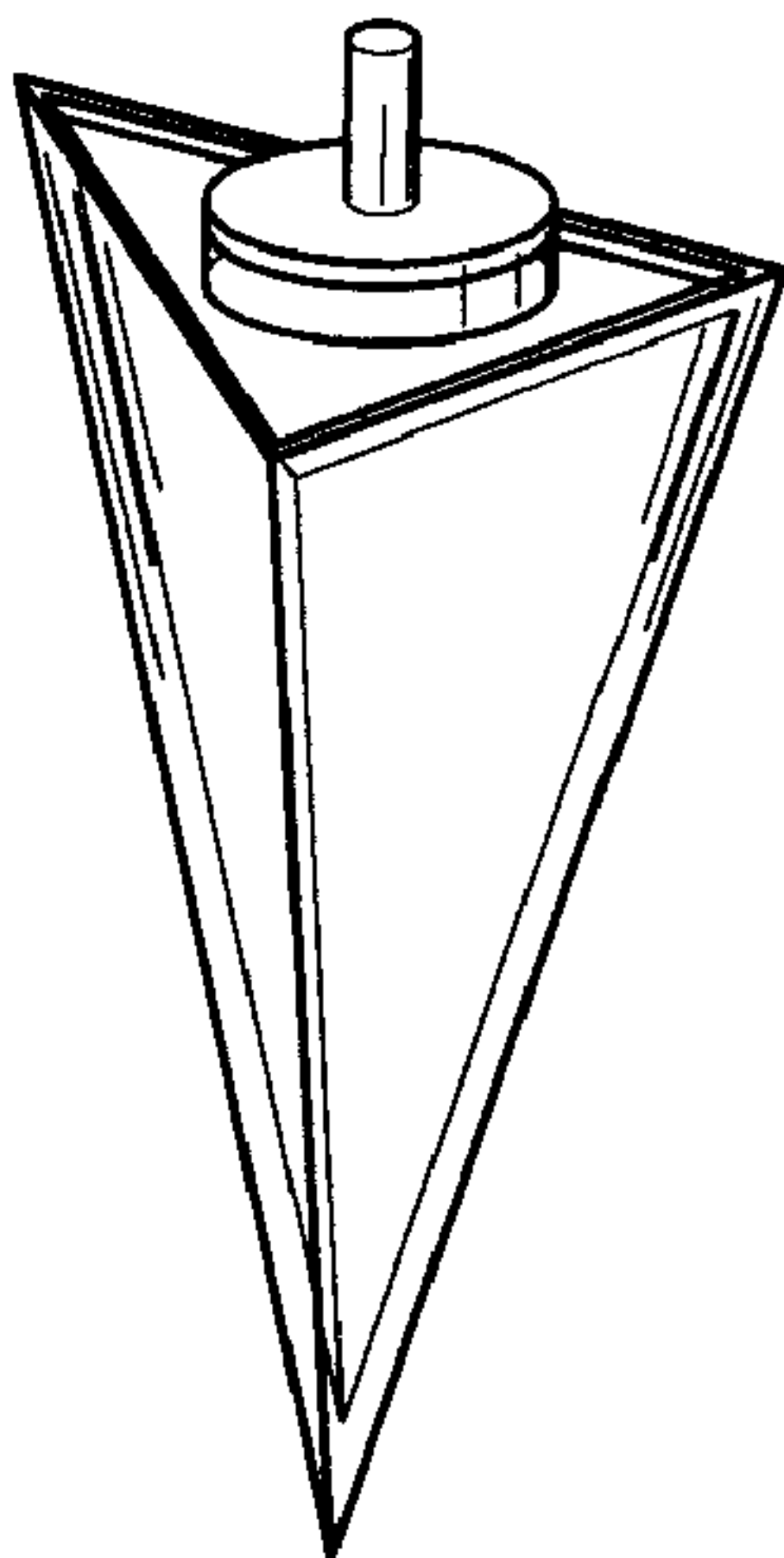


Fig. 29

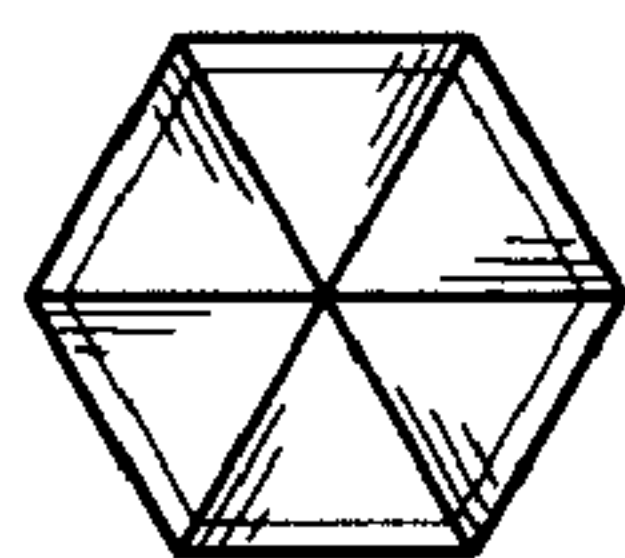


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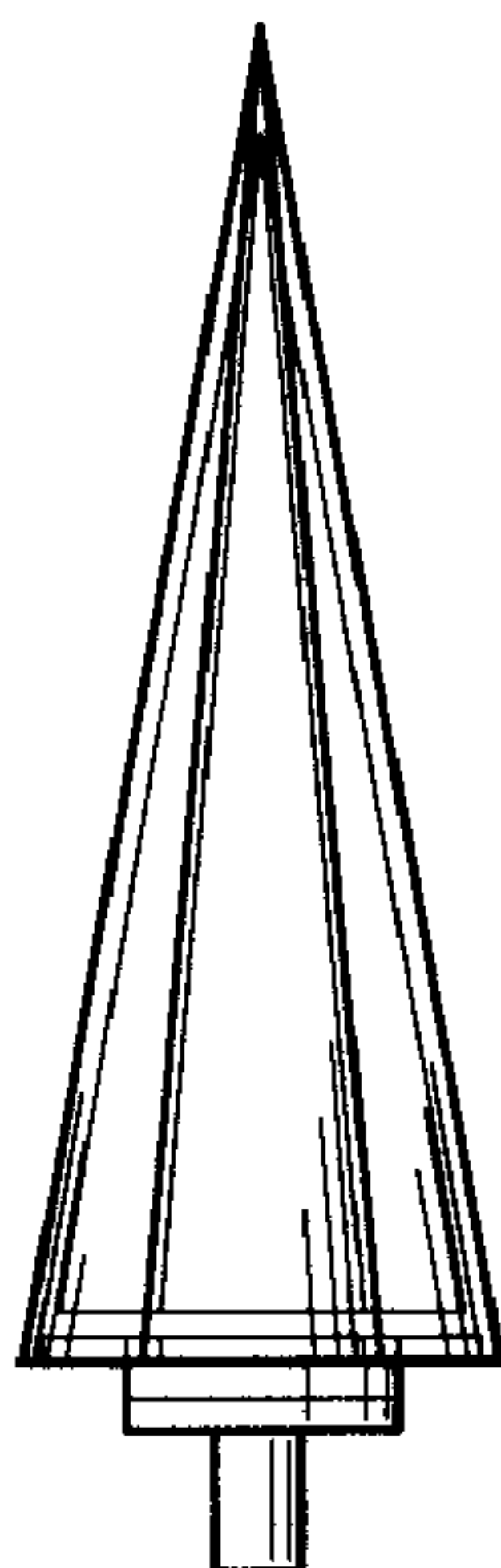


Fig. 31

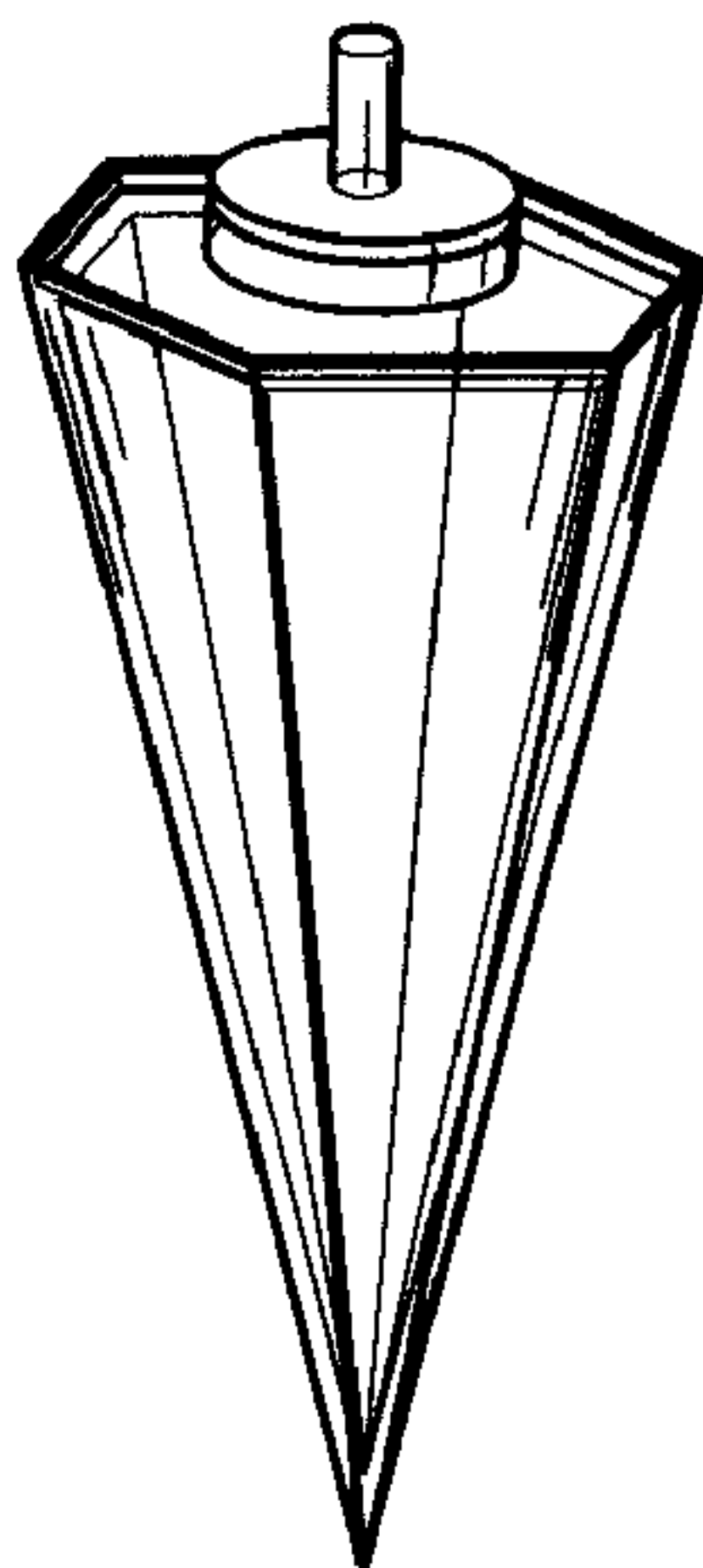


Fig. 32

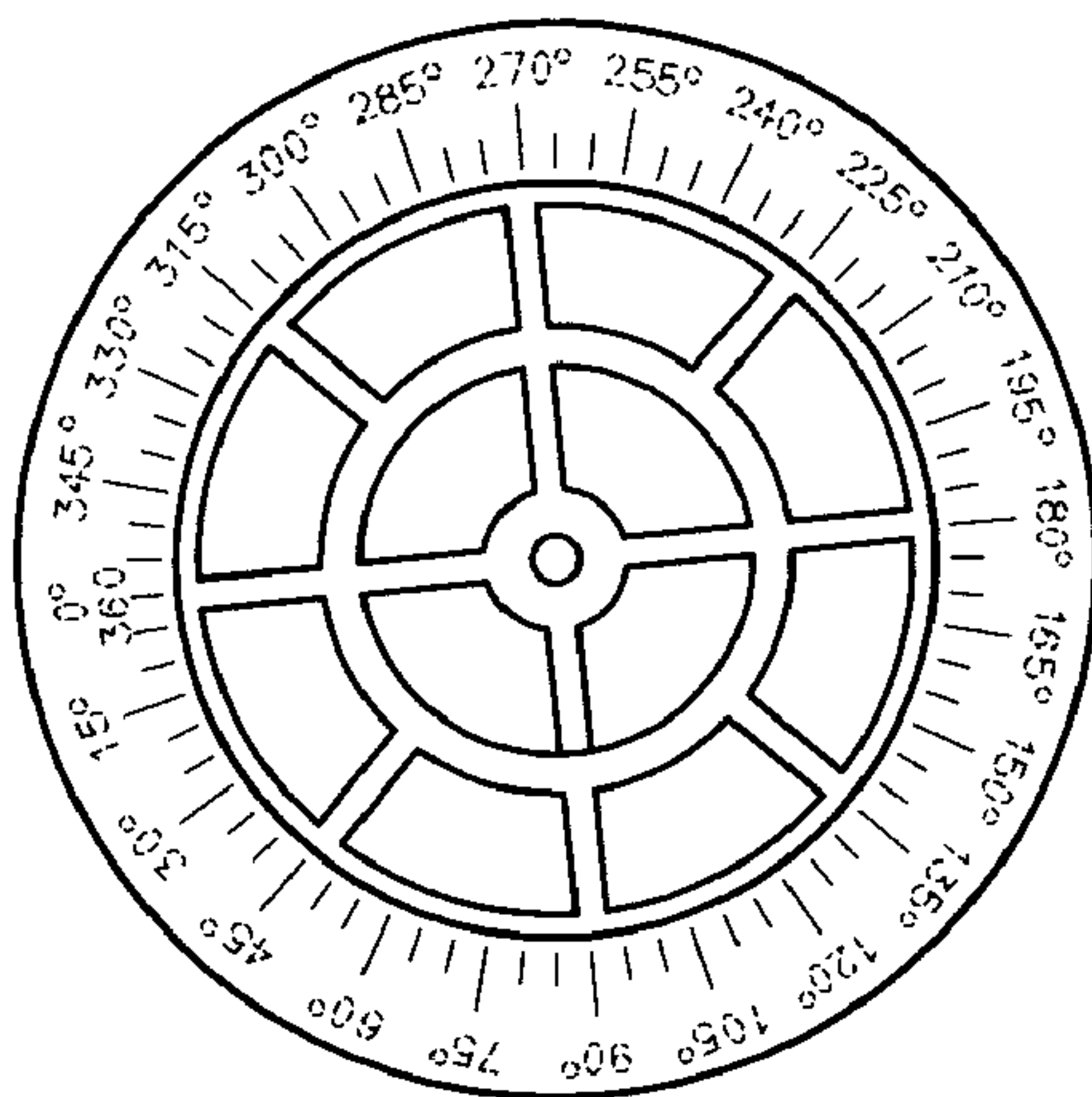


Fig. 33



Fig. 34

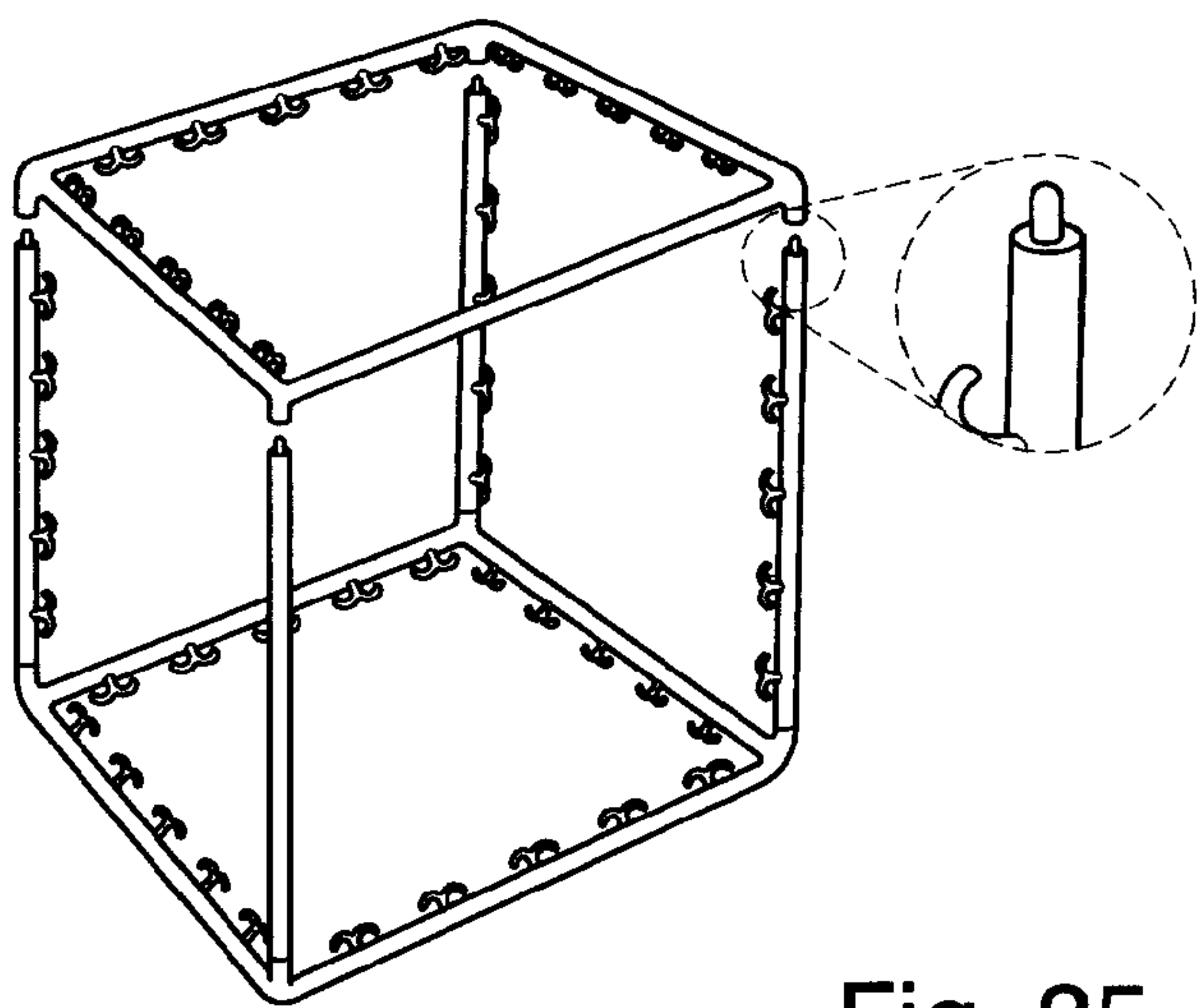


Fig. 35



Fig. 36

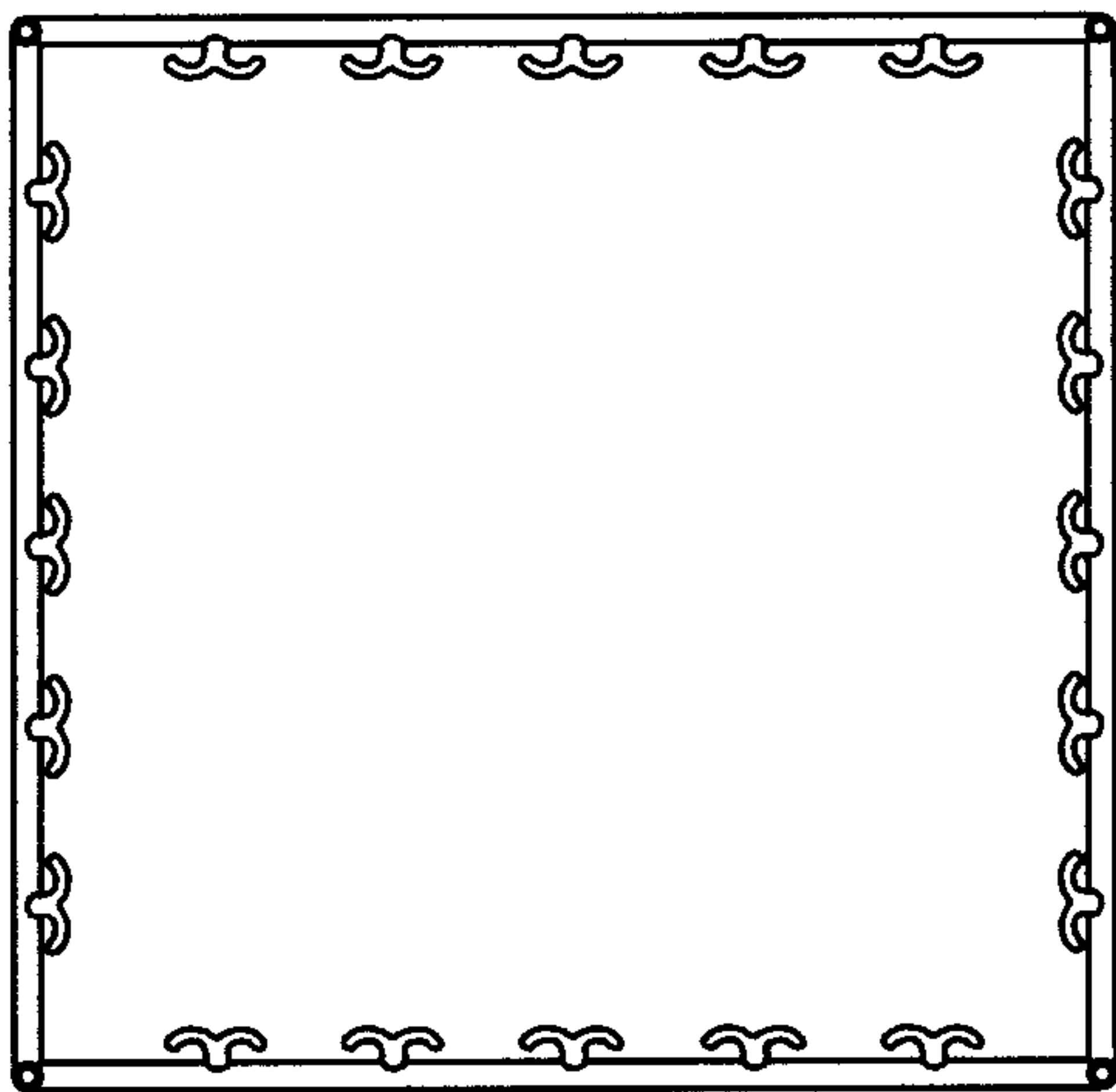


Fig. 38



Fig. 37

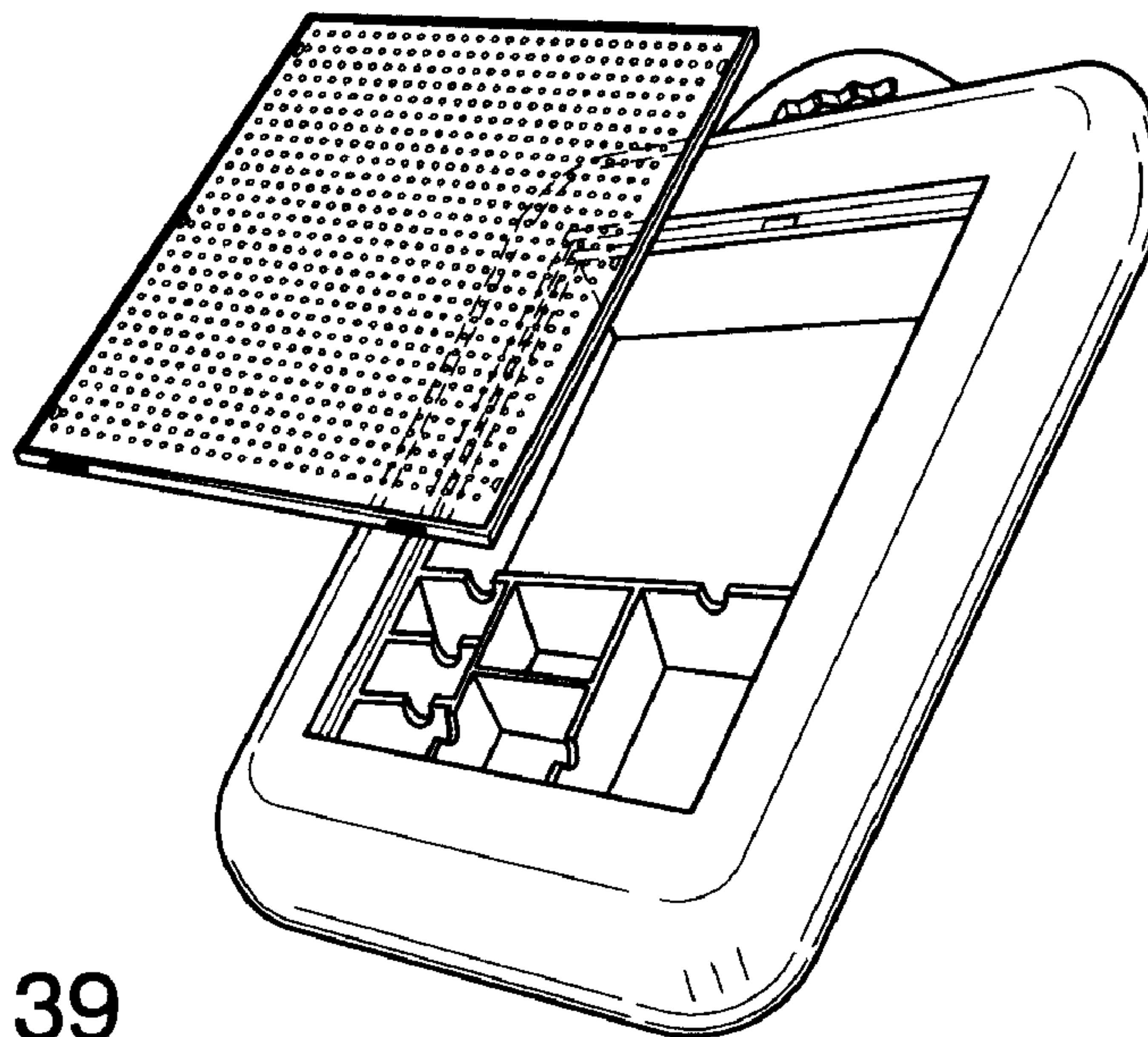


Fig. 39

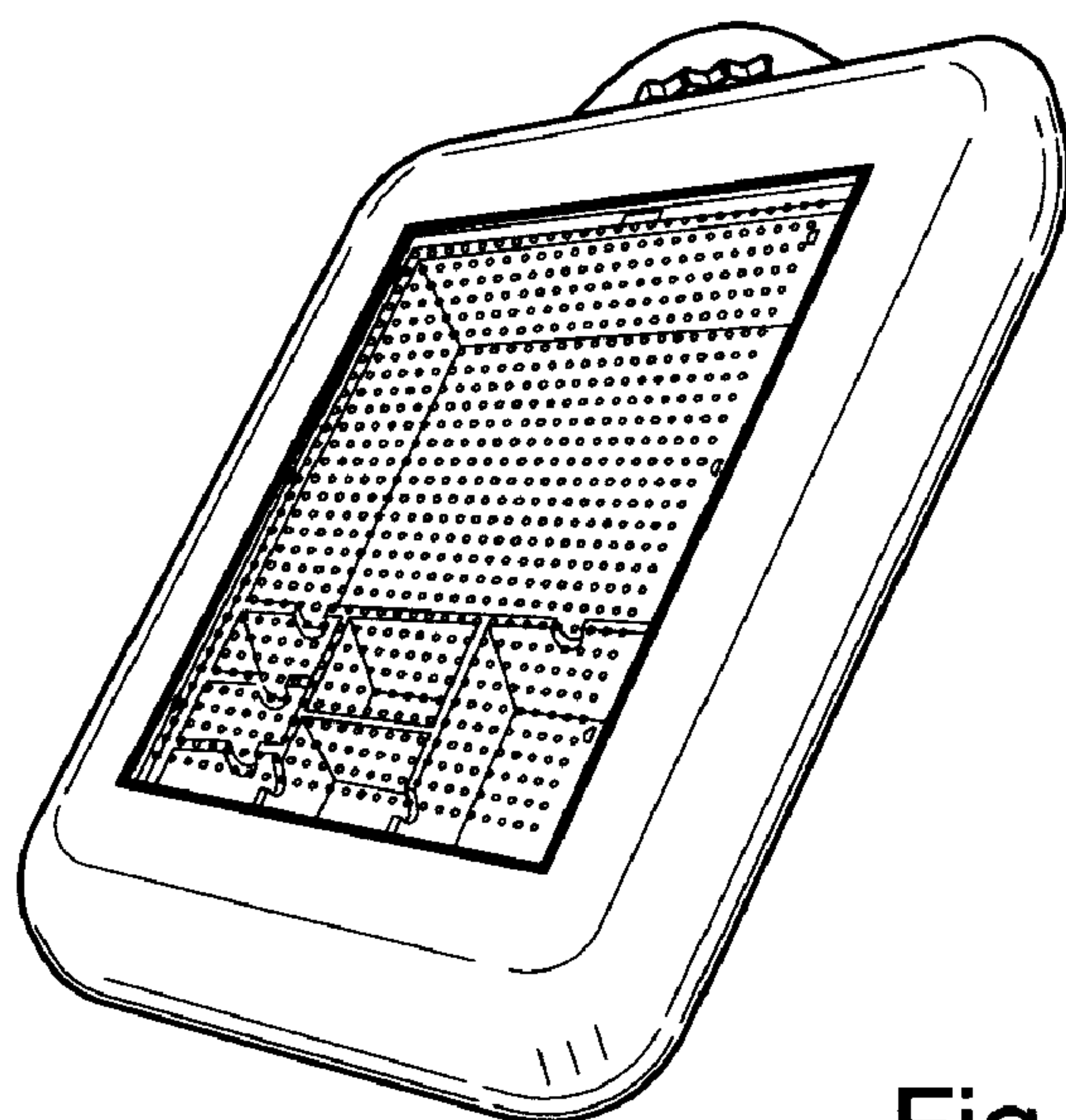


Fig. 40

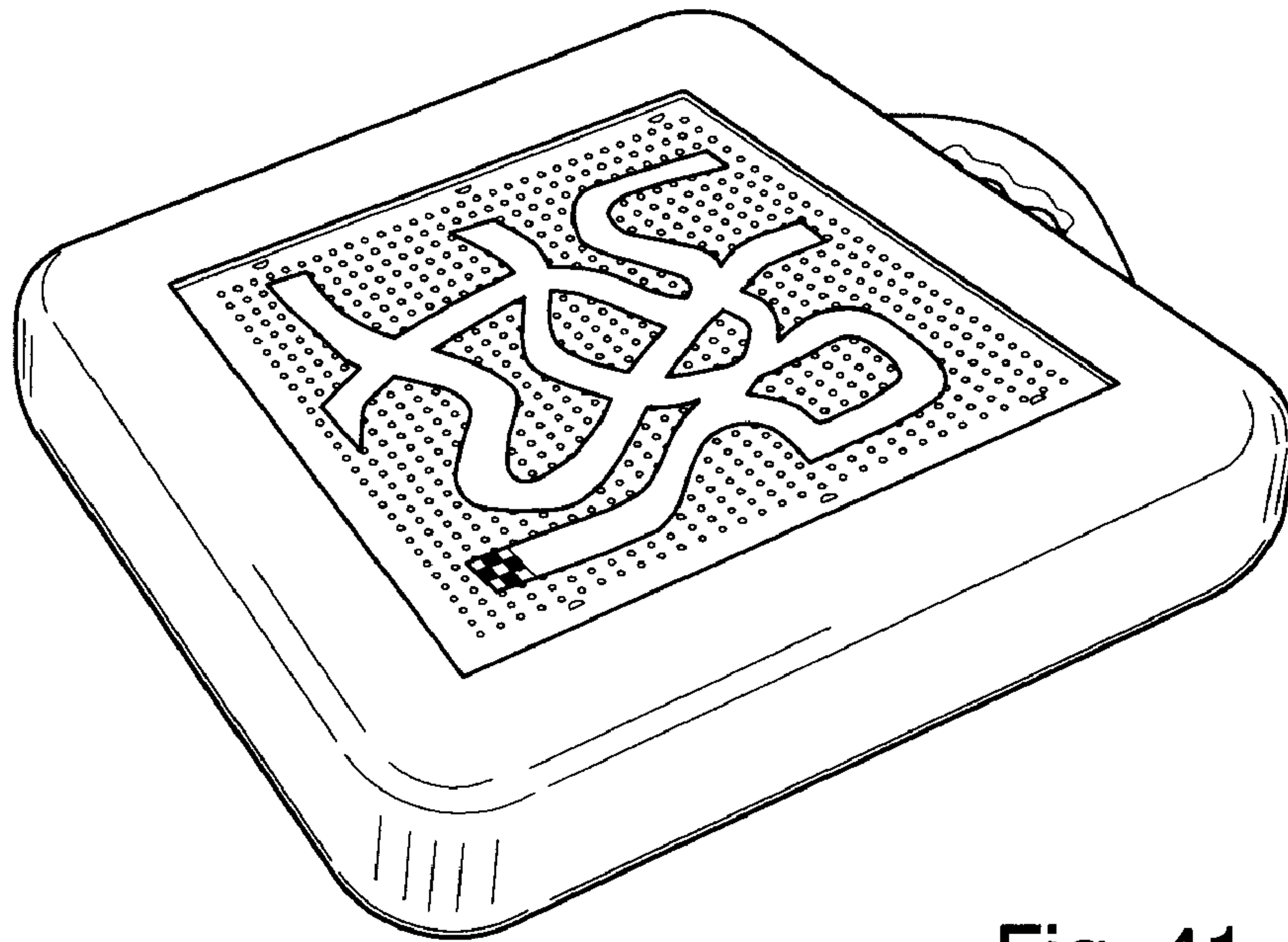


Fig. 41

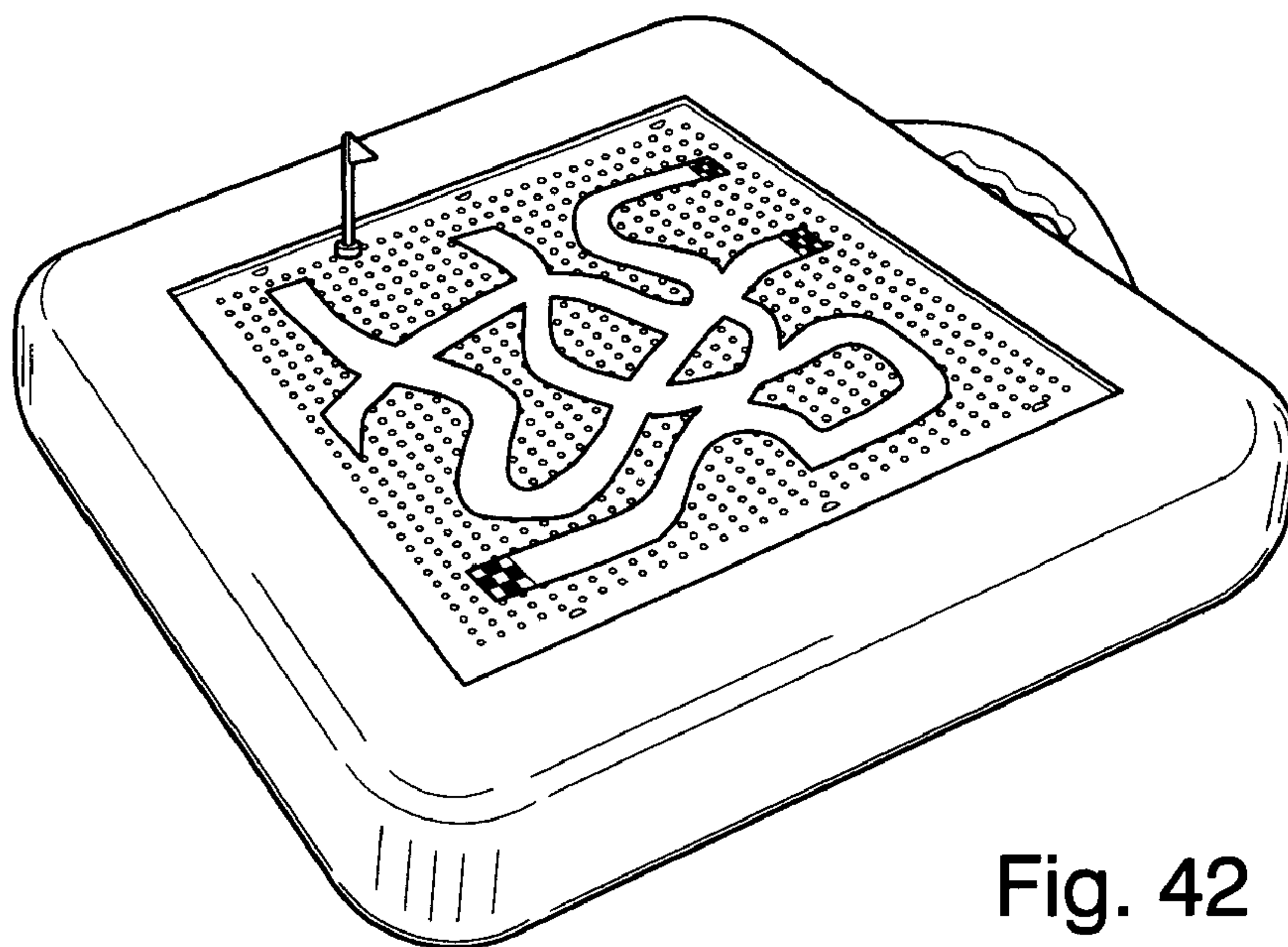


Fig. 42

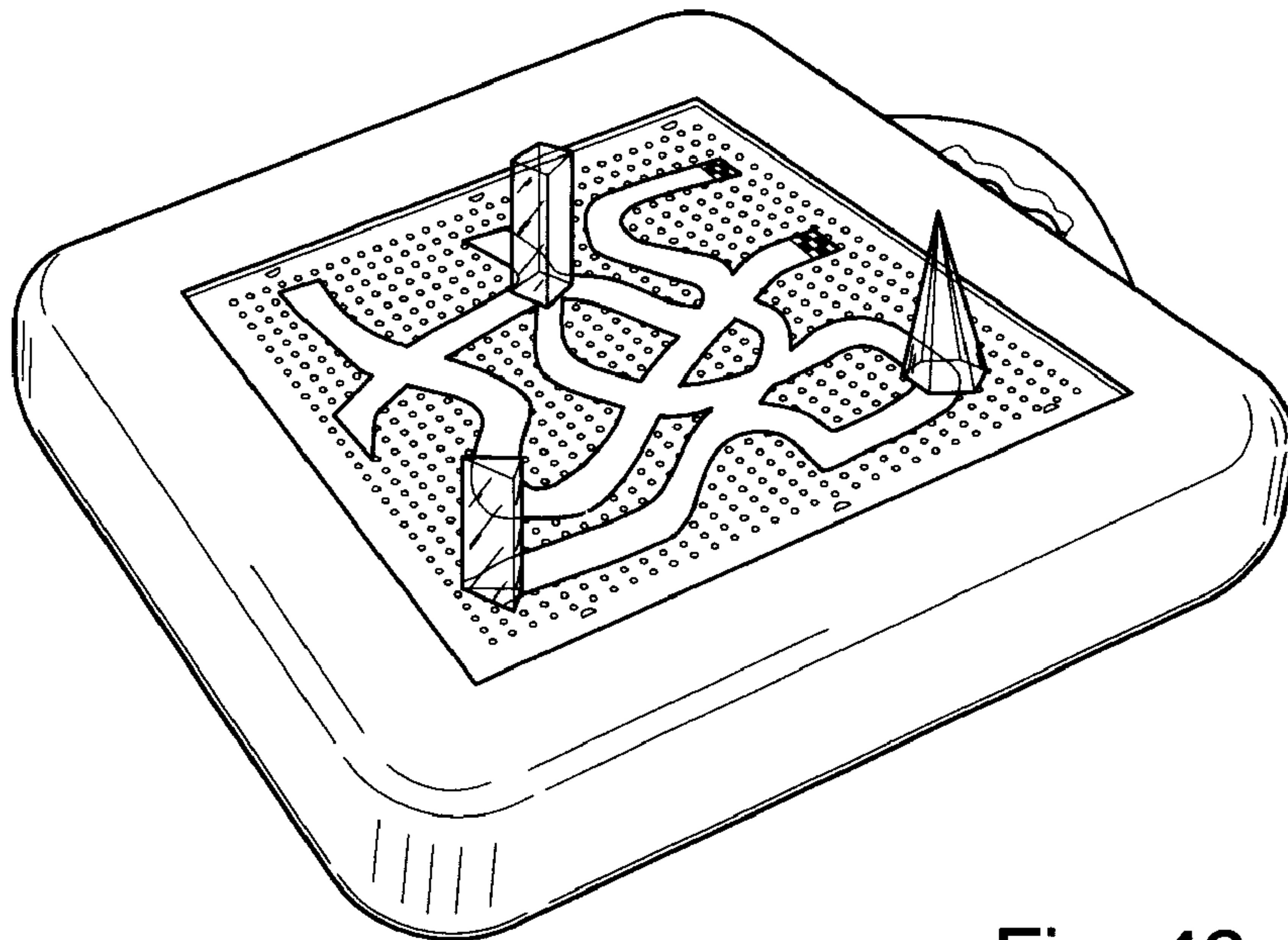


Fig. 43

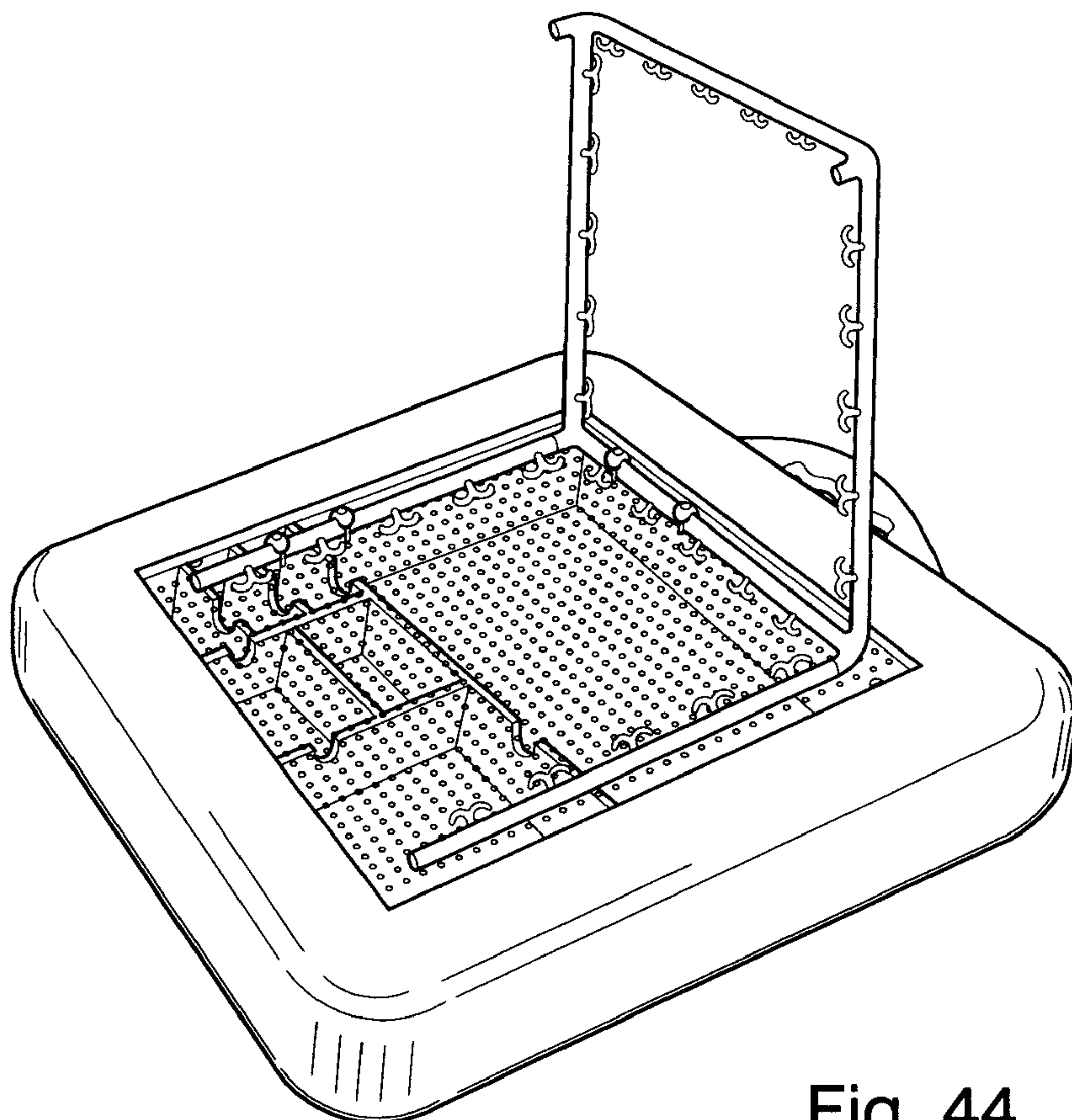


Fig. 44

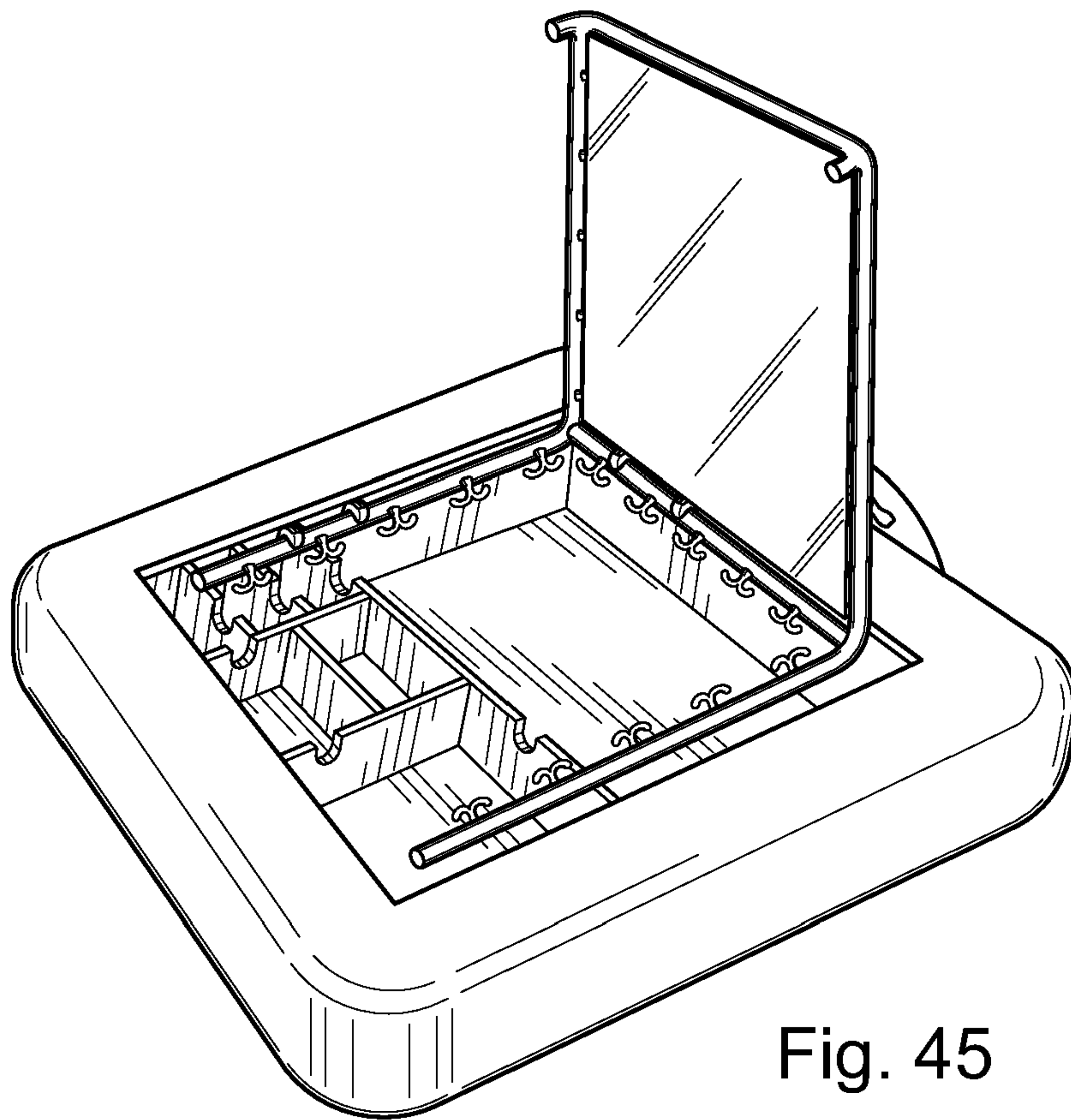


Fig. 45

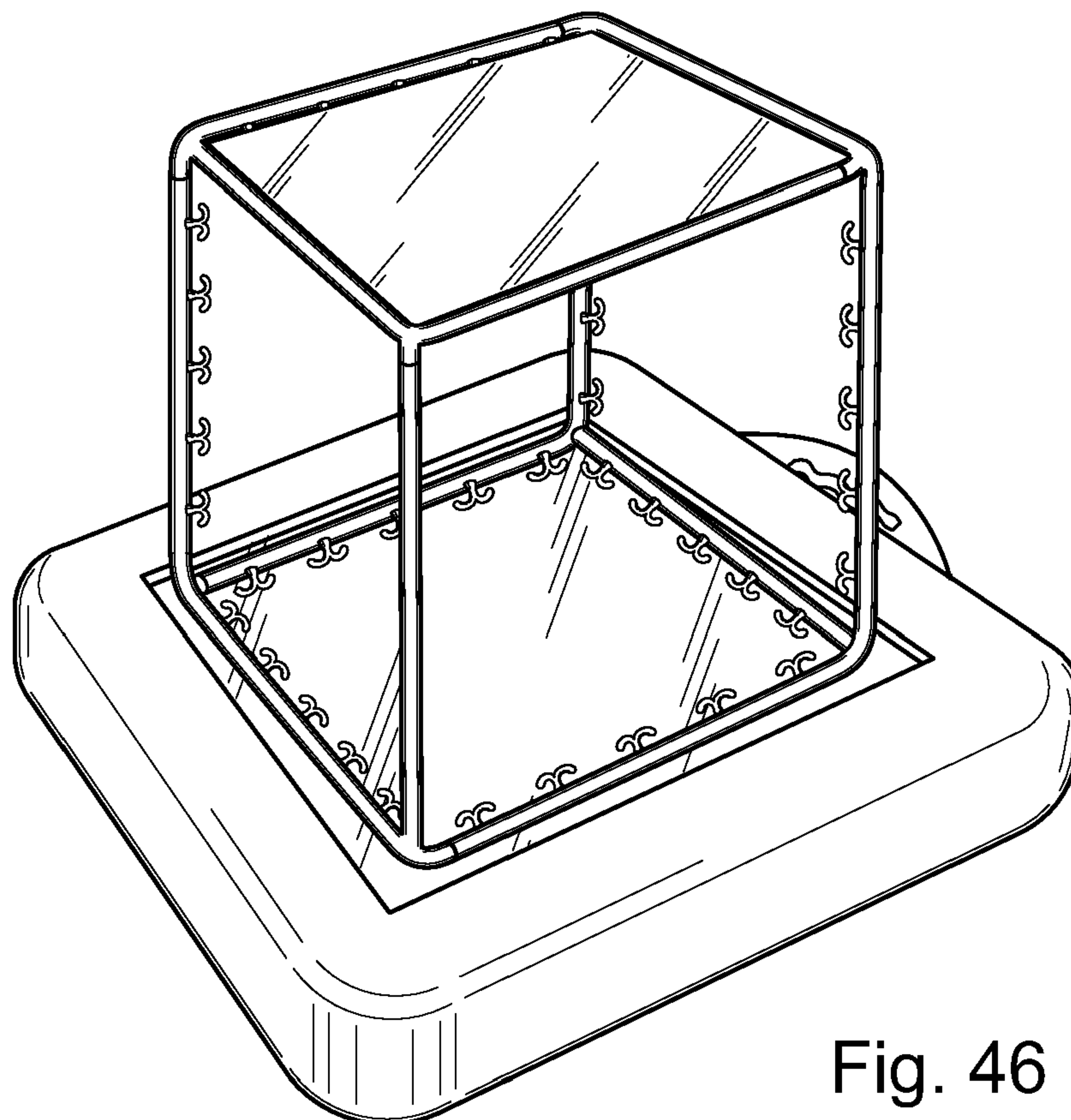


Fig. 46

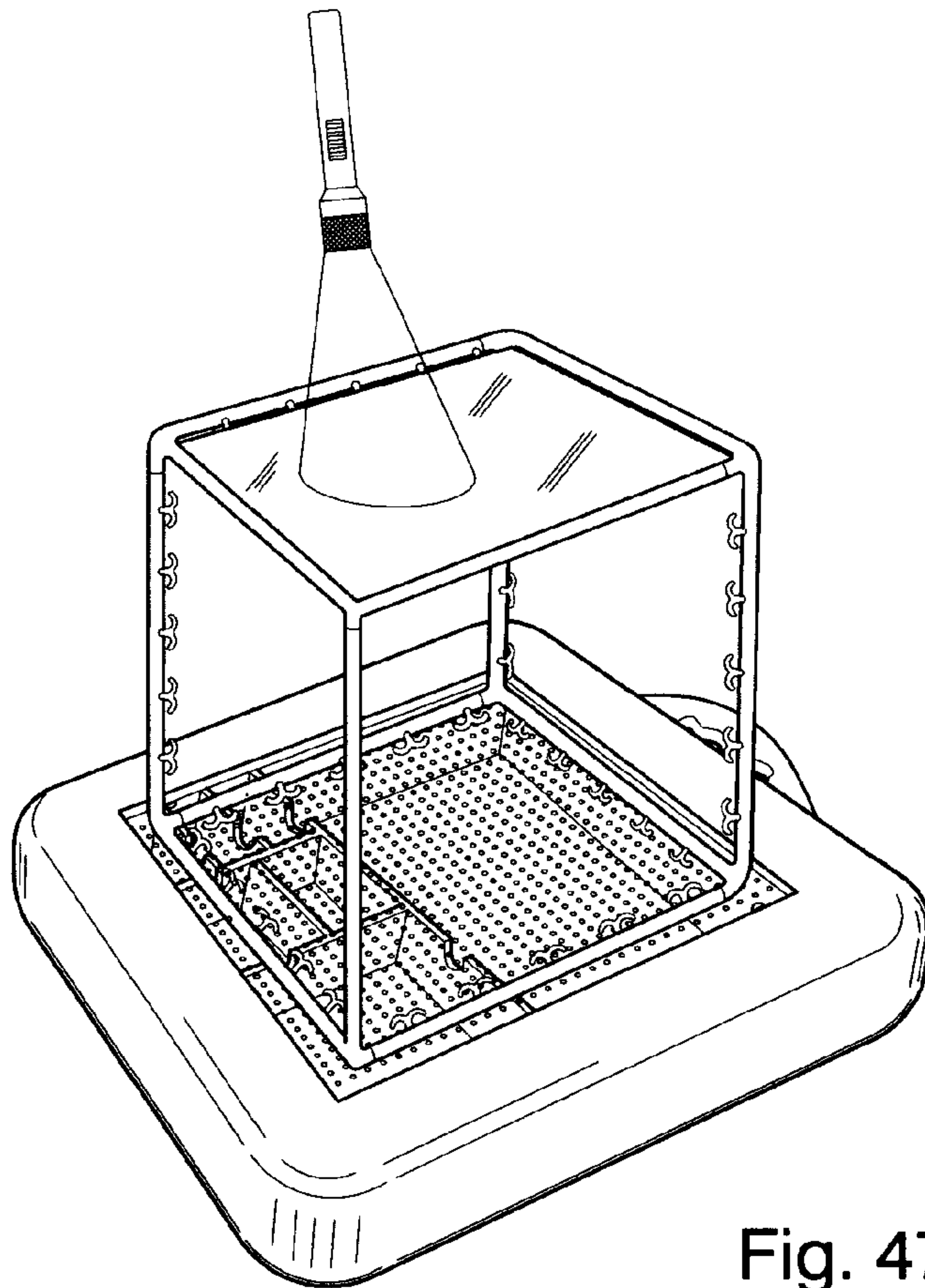


Fig. 47

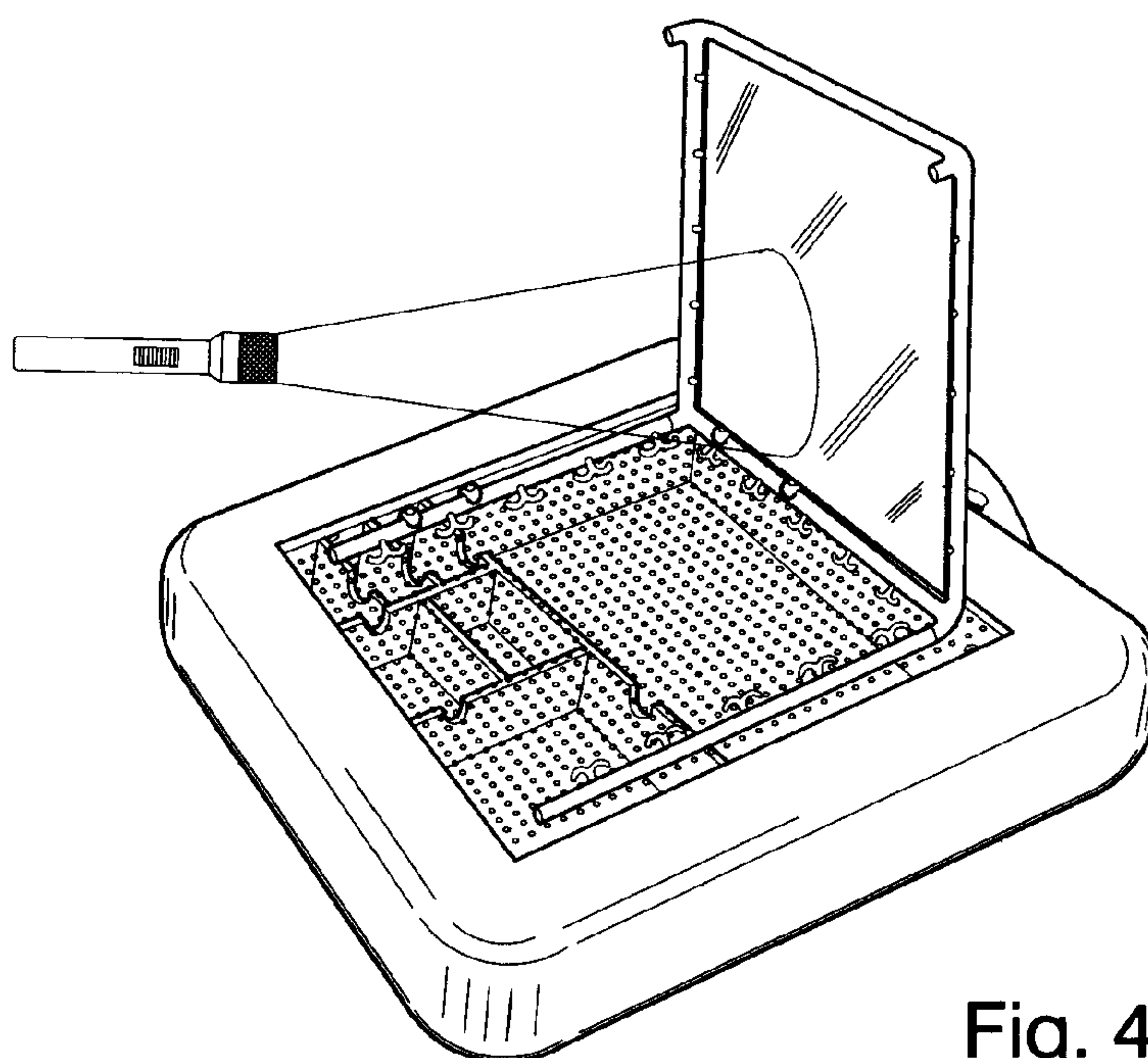


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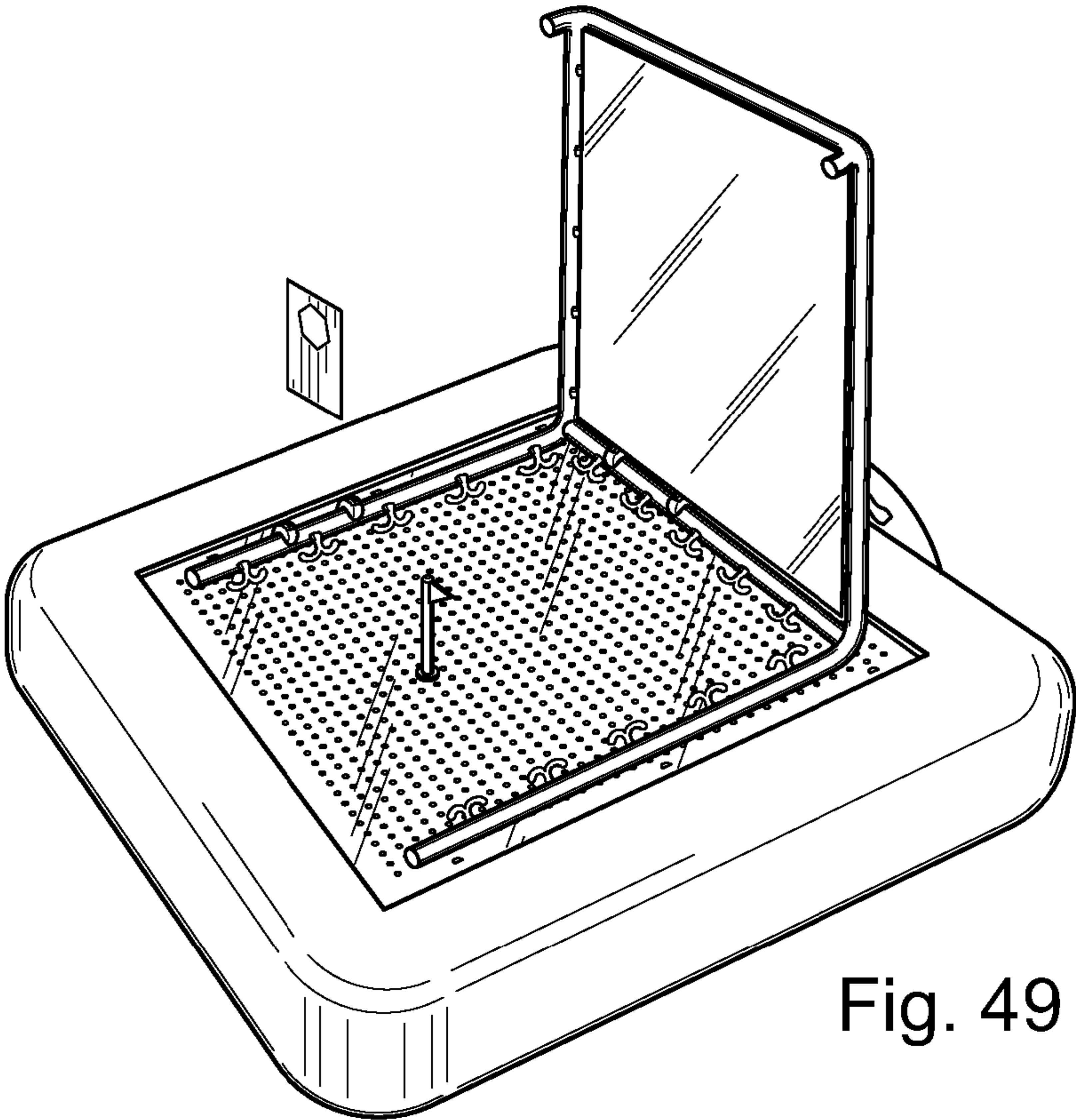


Fig. 49

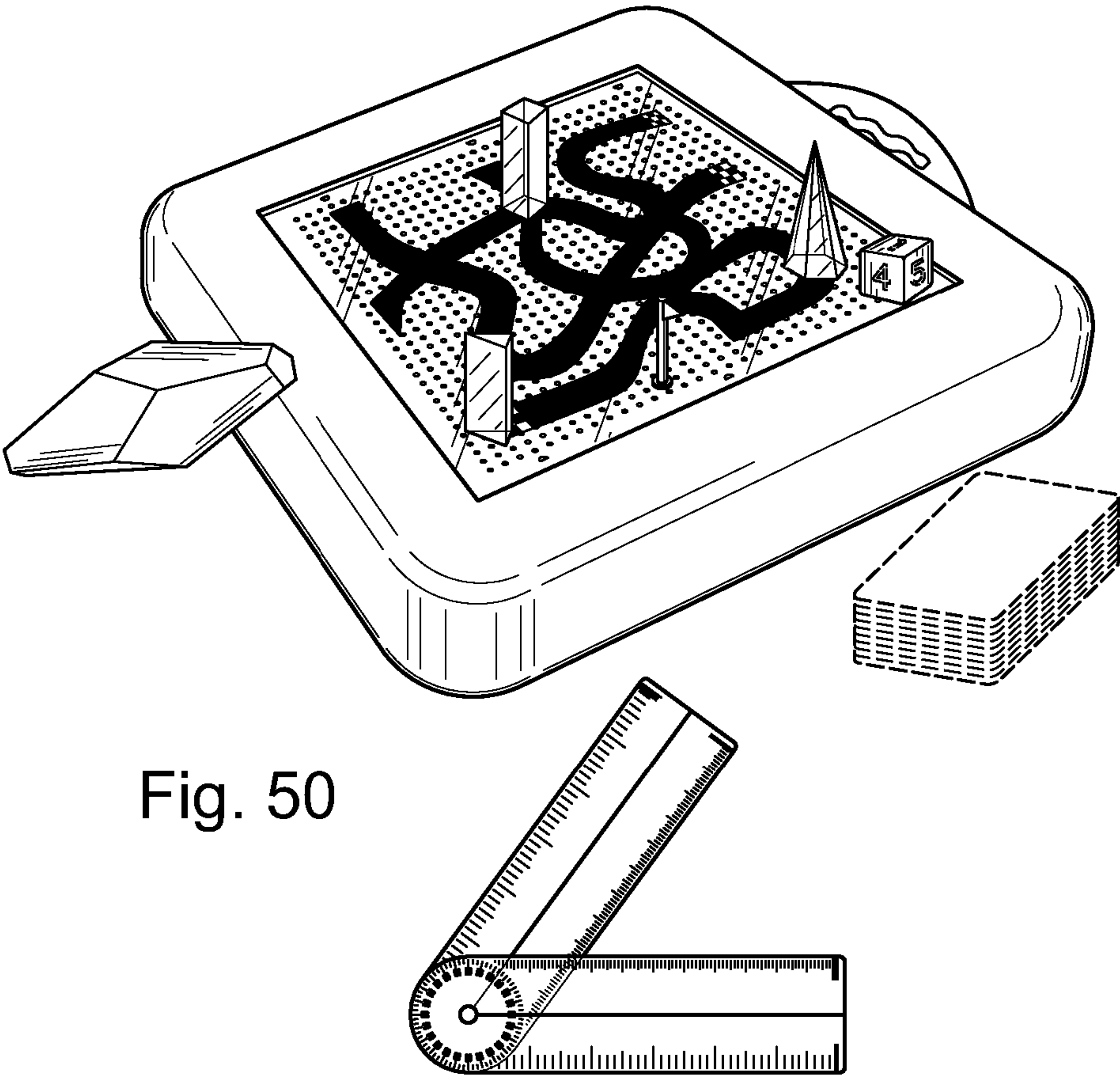


Fig. 50