

[54] **PORTABLE SPEECH SYNTHESIZER FOR SPEECH IMPAIRED INDIVIDUALS**

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

[21] Appl. No.: **605,288**

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[52] U.S. Cl. **D14/1; D14/100**

[58] Field of Search **D14/100, 105, 106, 107,
D14/114, 115, 85; D18/7, 11, 12; D13/12, 32,
40, 41; 364/513.5; 340/365 R; 200/5 A;
235/145 R; 381/51, 52, 53; 434/185, 167, 169;
D19/59, 60**

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 277,963 3/1985 Bousman D14/107
D. 278,707 5/1985 Swinney D14/1
3,794,753 2/1974 Hansen .
4,121,051 10/1978 Place .
4,179,584 12/1979 Tanimoto et al. .
4,215,240 7/1980 Ostrowski .

FOREIGN PATENT DOCUMENTS

2806429 10/1978 Fed. Rep. of Germany 381/51
2808577 10/1978 Fed. Rep. of Germany ... 364/513.5

OTHER PUBLICATIONS

Corvus System Brochure, Xerox Keyboard.
IBM 5520 Administrative System Brochure, 1982, Key-
board.

RCA Microcomputer Products Brochure, 3-1981, front
cover-Key-board.

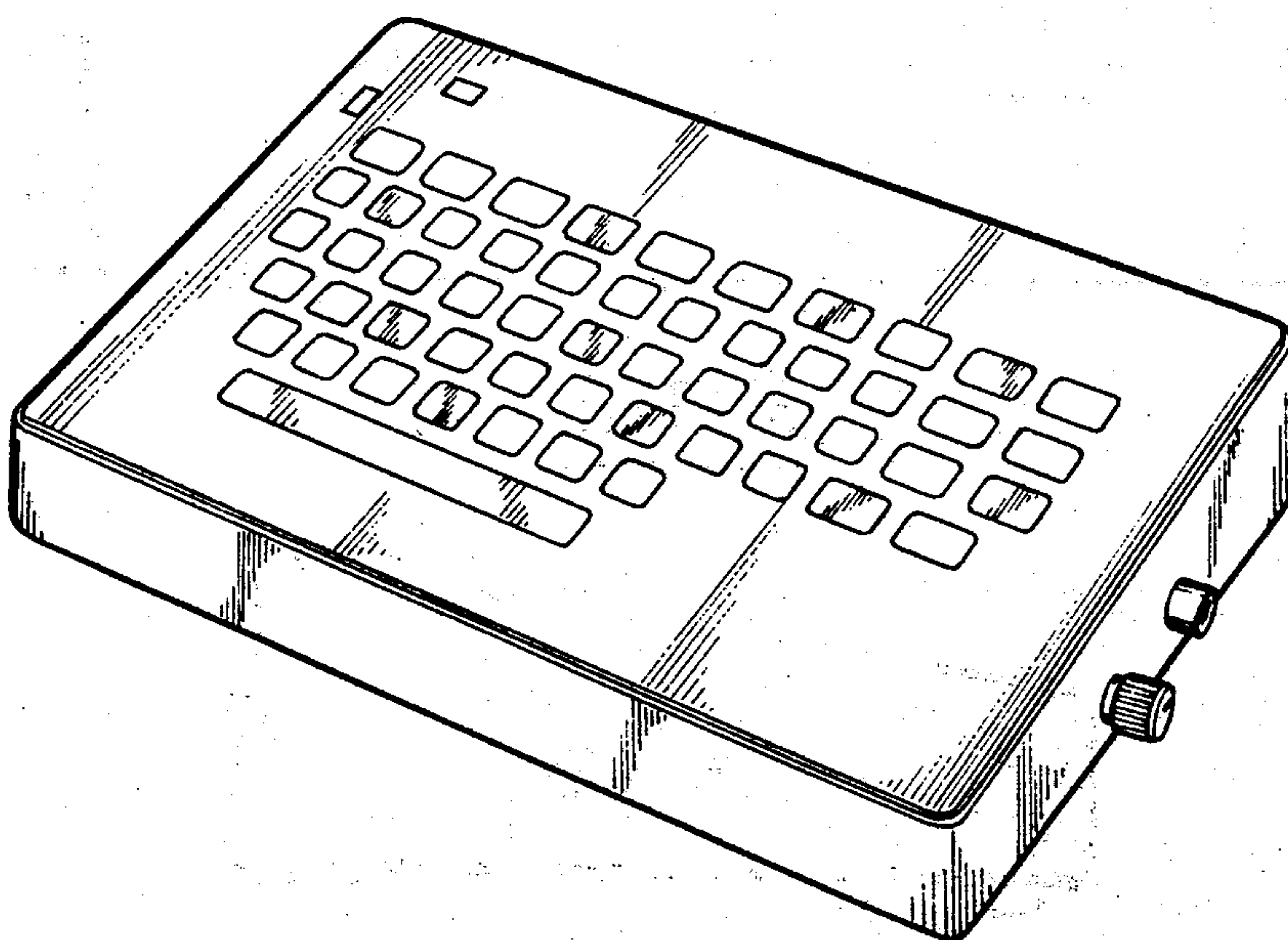
Primary Examiner—Susan J. Lucas
Attorney, Agent, or Firm—Gifford, Groh, VanOphem,
Sheridan, Sprinkle and Dolgorukov

[57] **CLAIM**

The ornamental design for a portable speech synthe-
sizer for speech impaired individuals, substantially as
shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of the portable
speech synthesizer for speech impaired individuals
showing my new design;
FIG. 2 is a top plan view thereof on an enlarged scale;
FIG. 3 is a side elevational view thereof on an enlarged
scale;
FIG. 4 is a rear elevational view thereof on an enlarged
scale;
FIG. 5 is a bottom plan view thereof on an enlarged
scale;
FIG. 6 is an opposite side elevational view thereof on an
enlarged scale;
FIG. 7 is a top front perspective view of a second em-
bodiment of my new design;
FIG. 8 is a top plan view thereof on an enlarged scale;
FIG. 9 is a side elevational view thereof on an enlarged
scale;
FIG. 10 is a rear elevational view thereof on an en-
larged scale.
FIG. 11 is a bottom plan view thereof on an enlarged
scale; and
FIG. 12 is an opposite side elevational view thereof on
an enlarged scale.



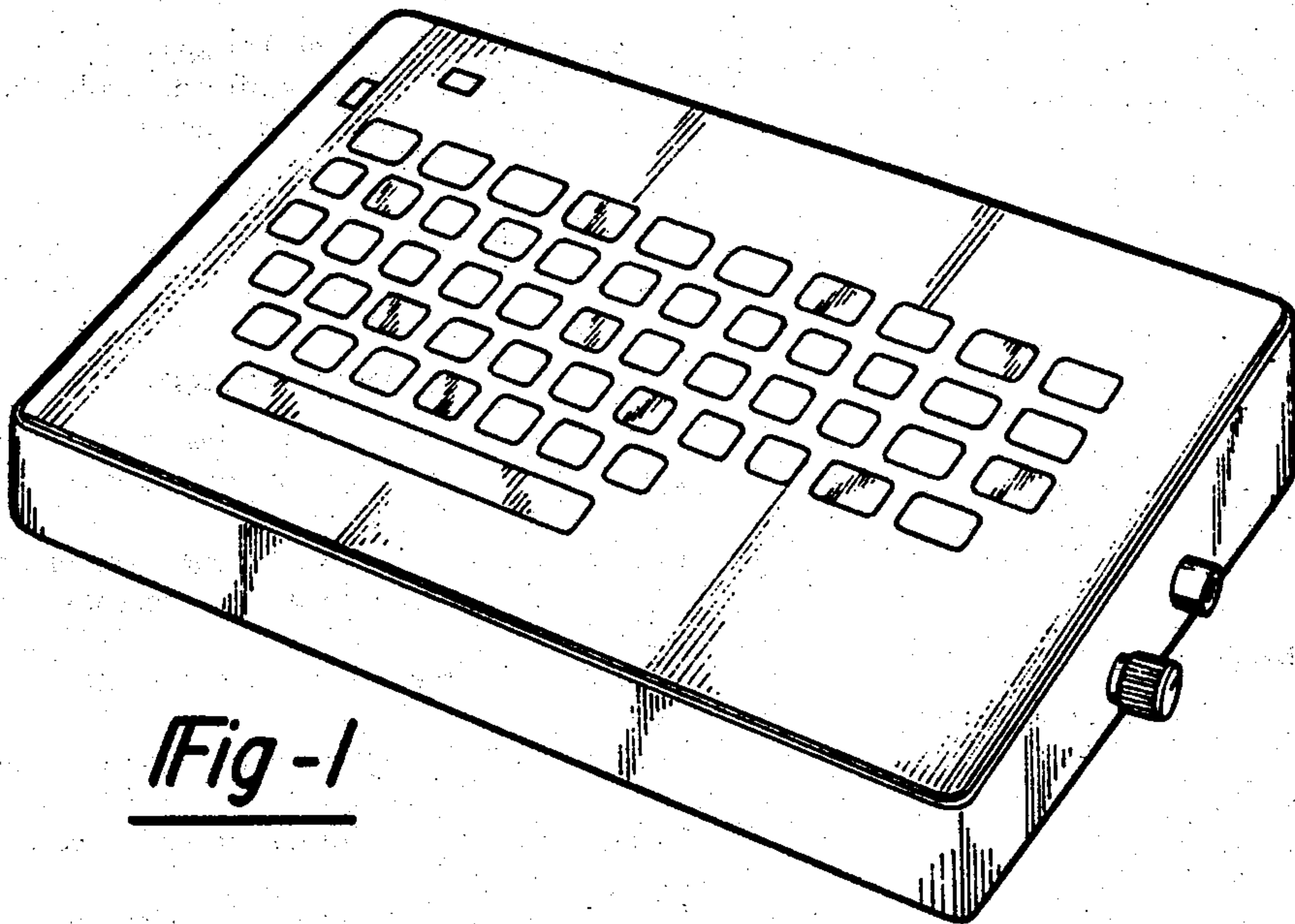


Fig-1

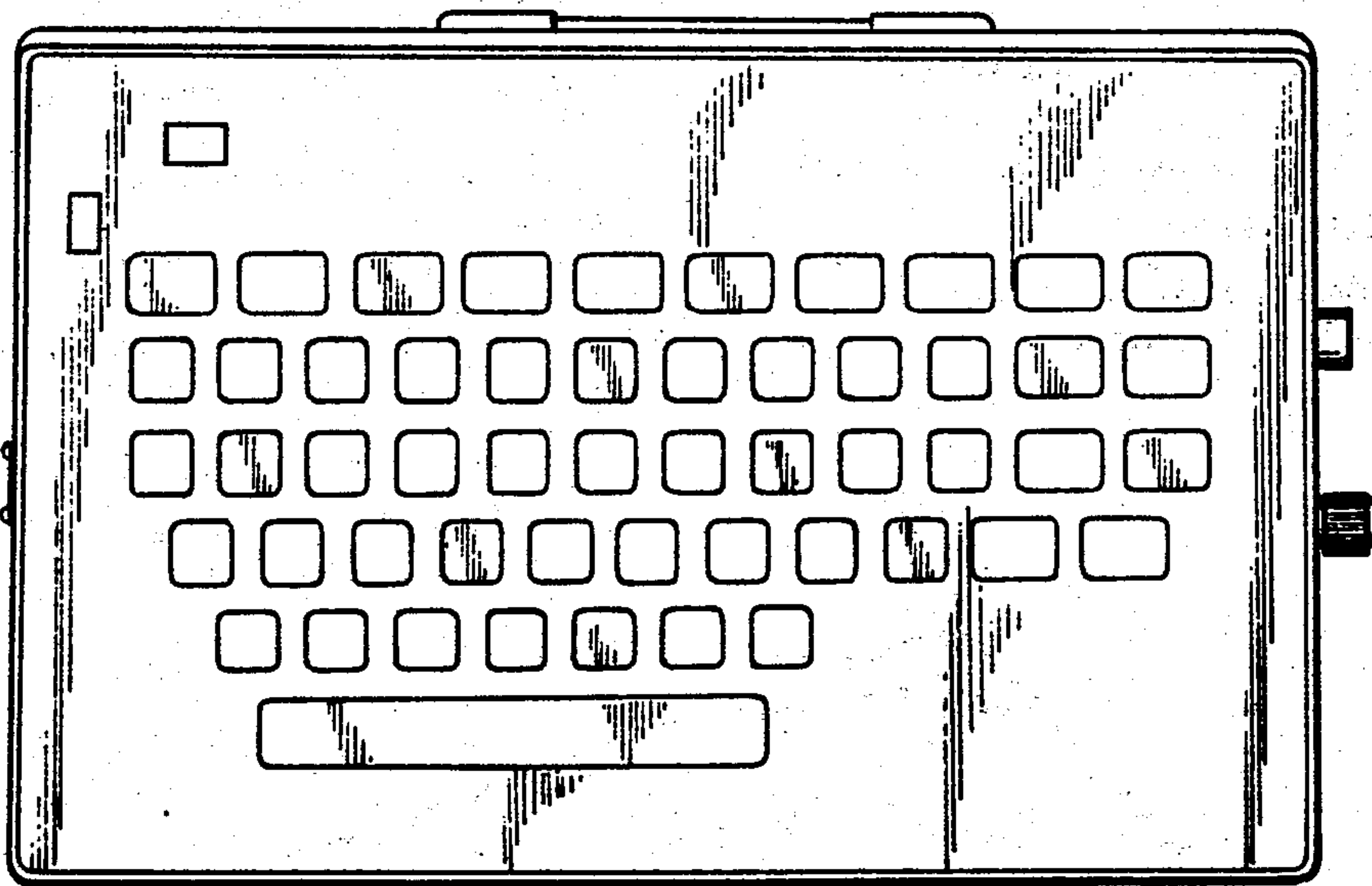


Fig-2

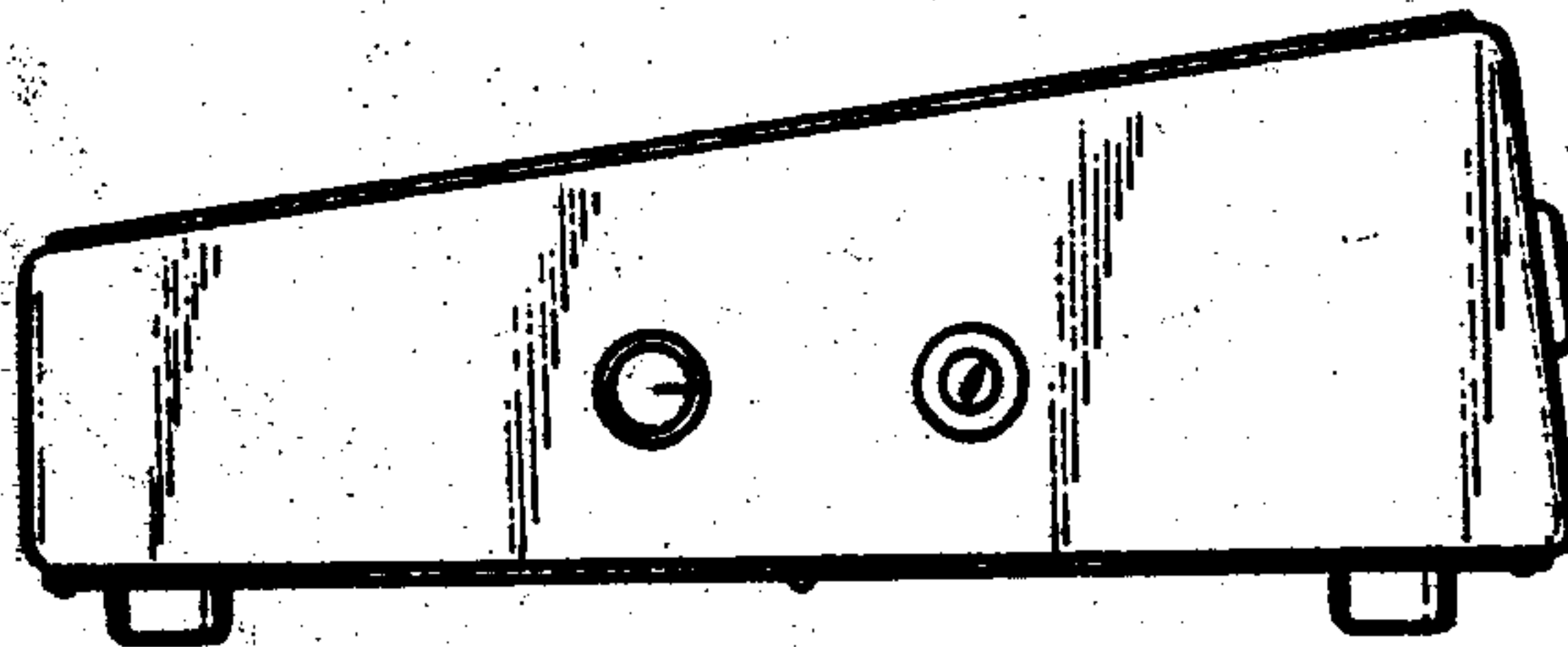


Fig-3

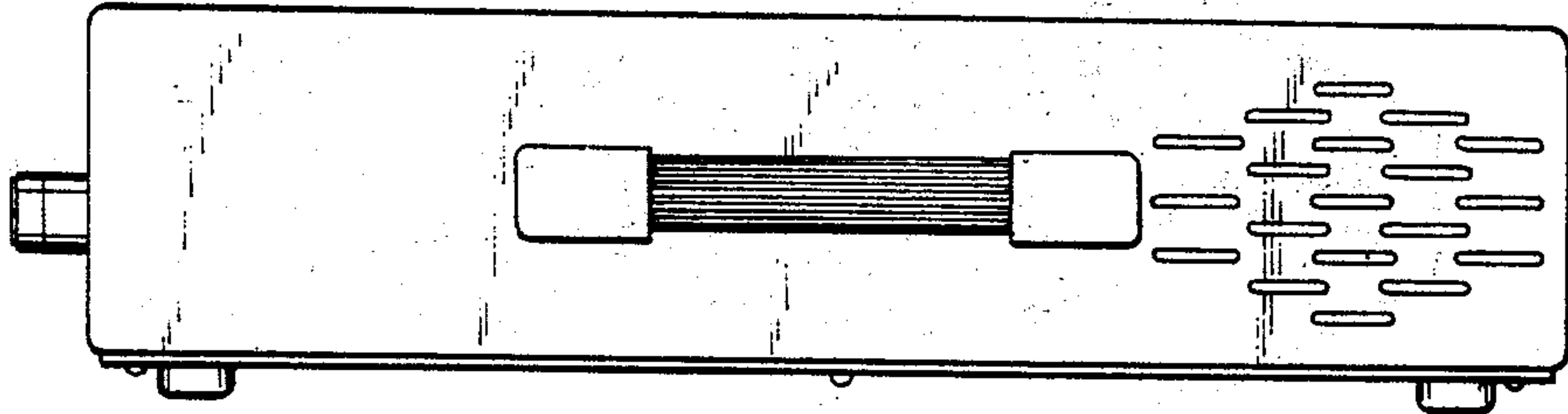


Fig-4

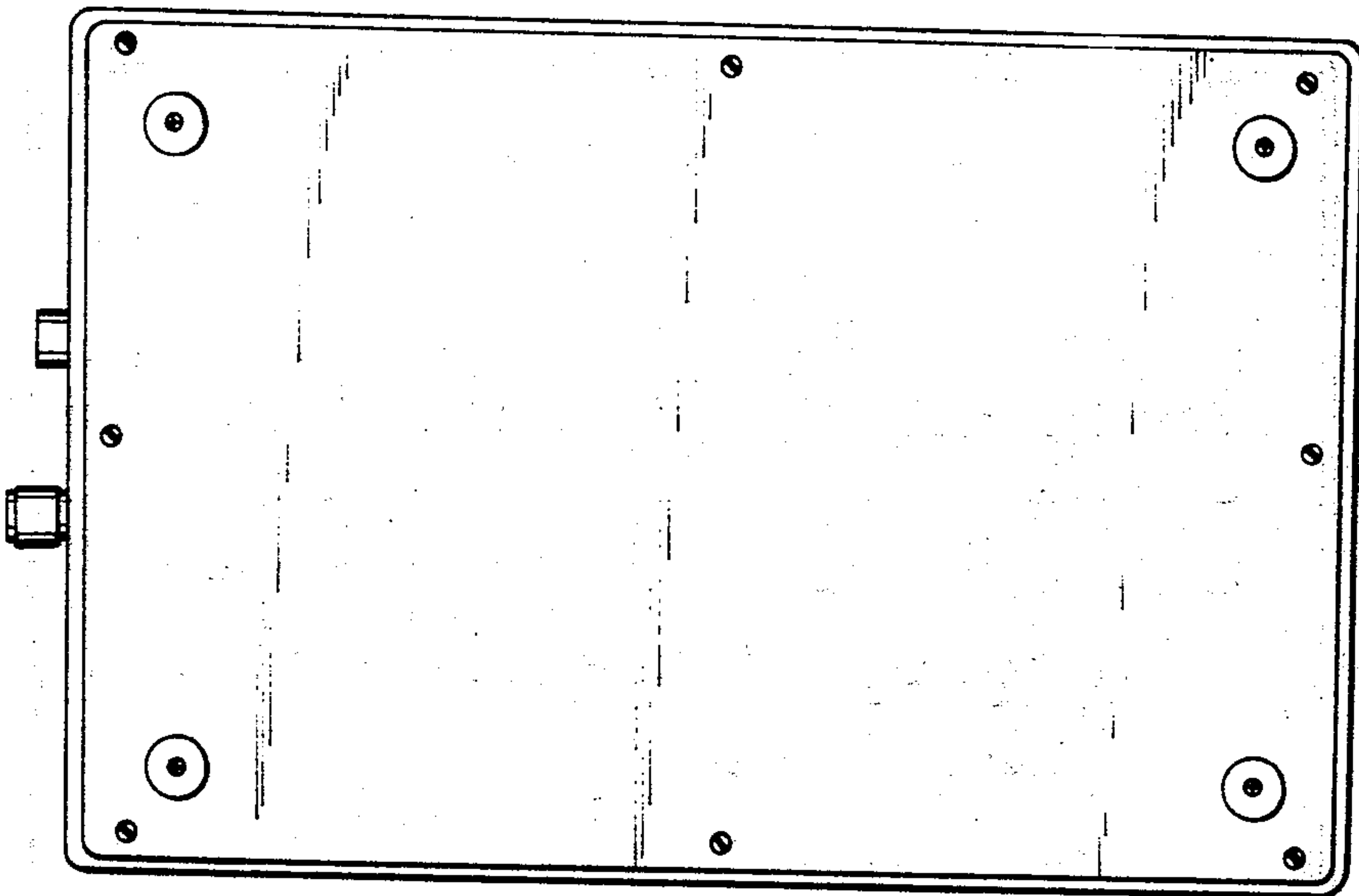


Fig-5

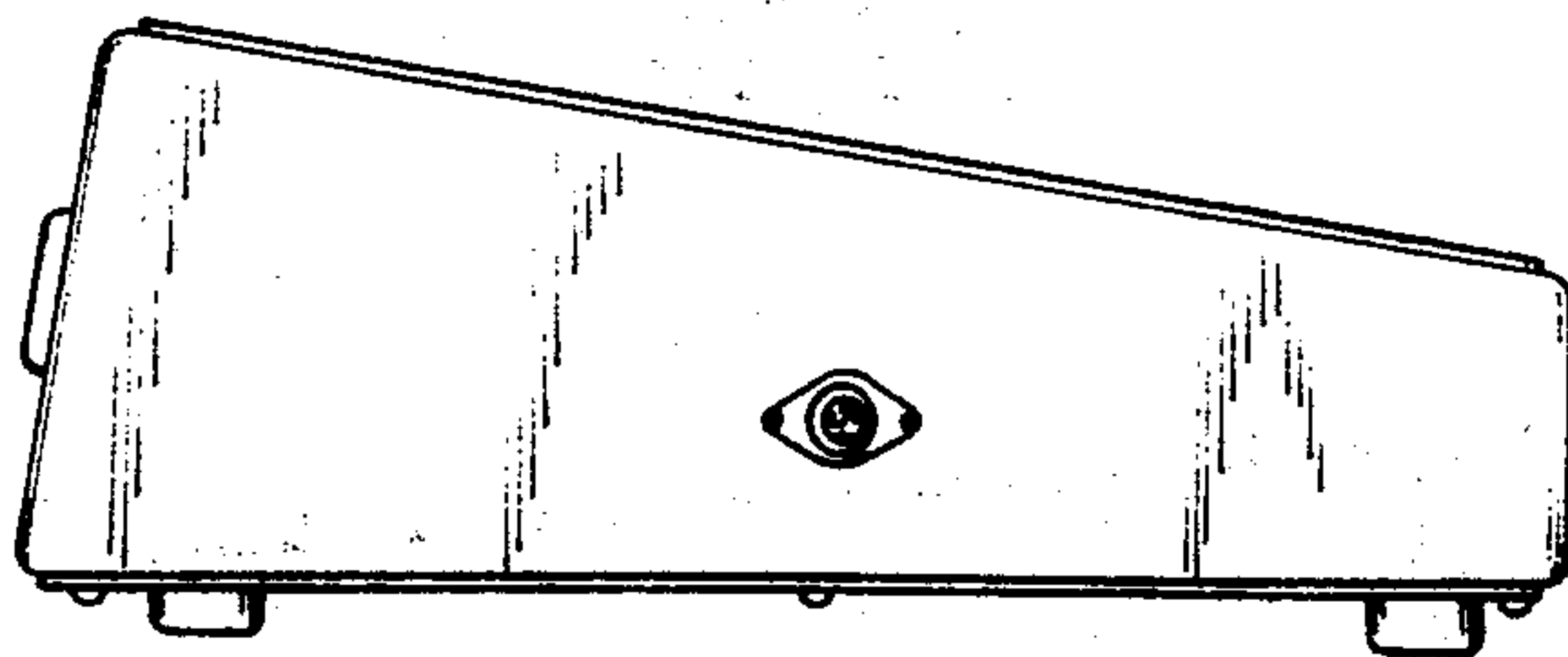


Fig-6

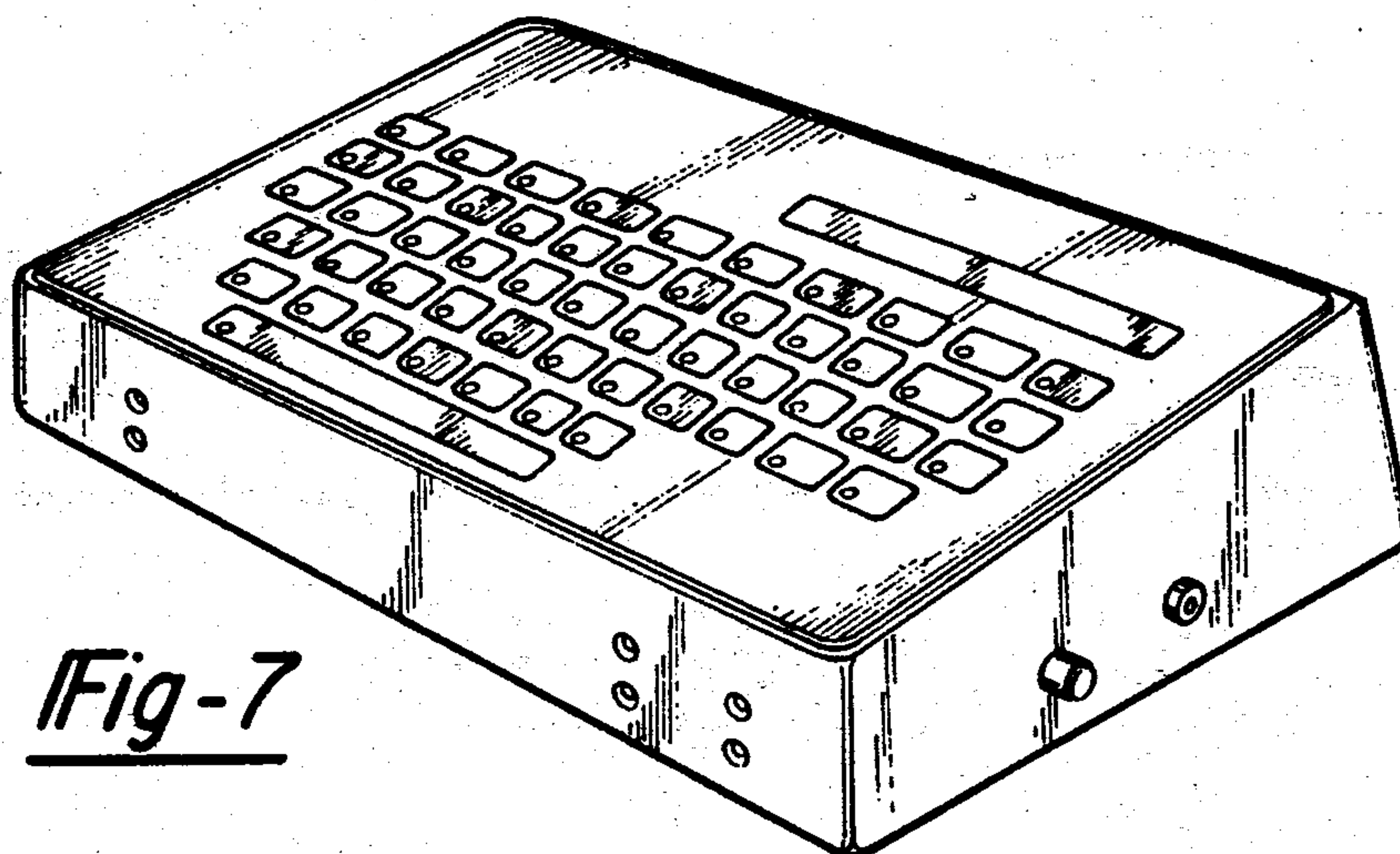


Fig-7

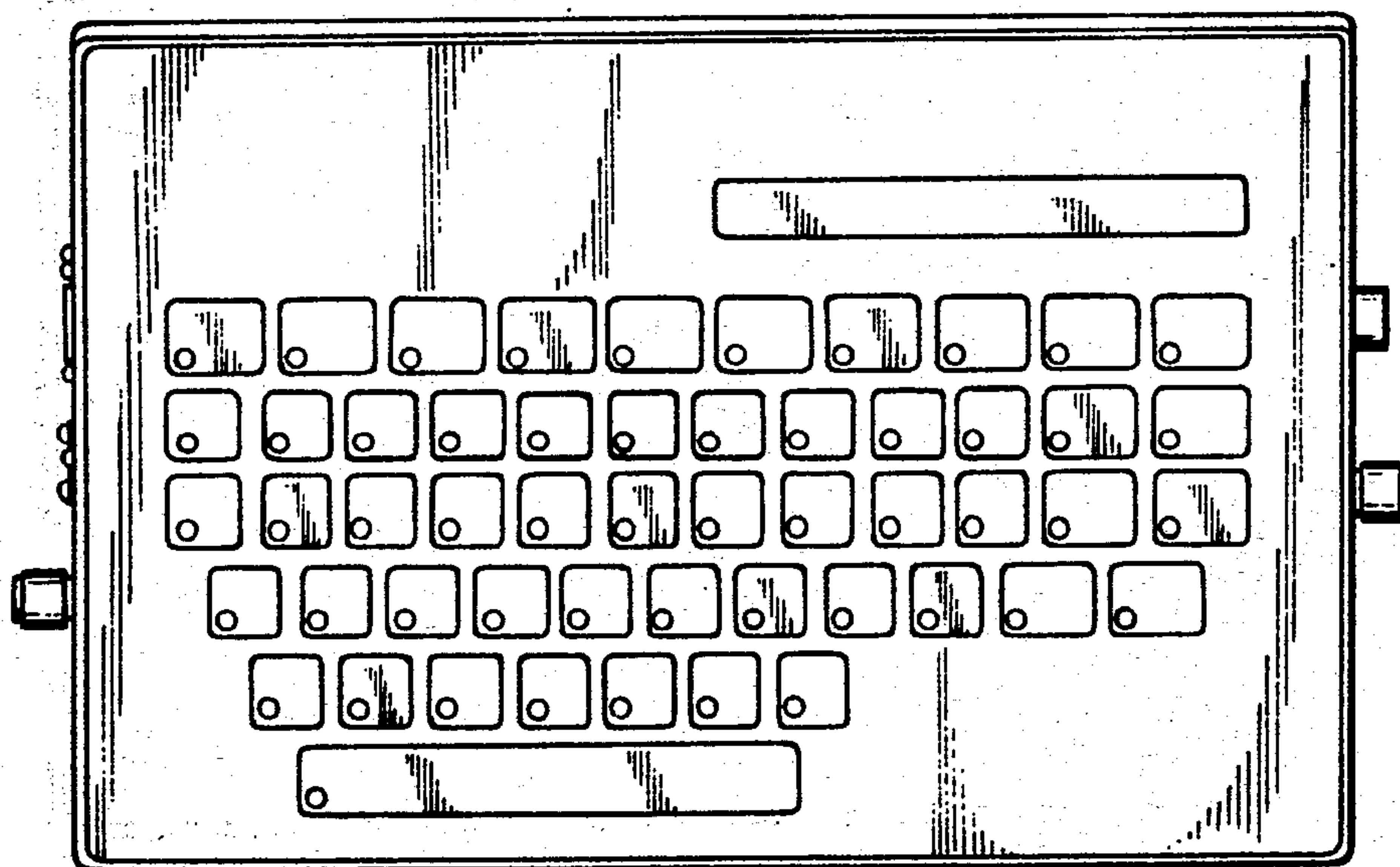


Fig-8

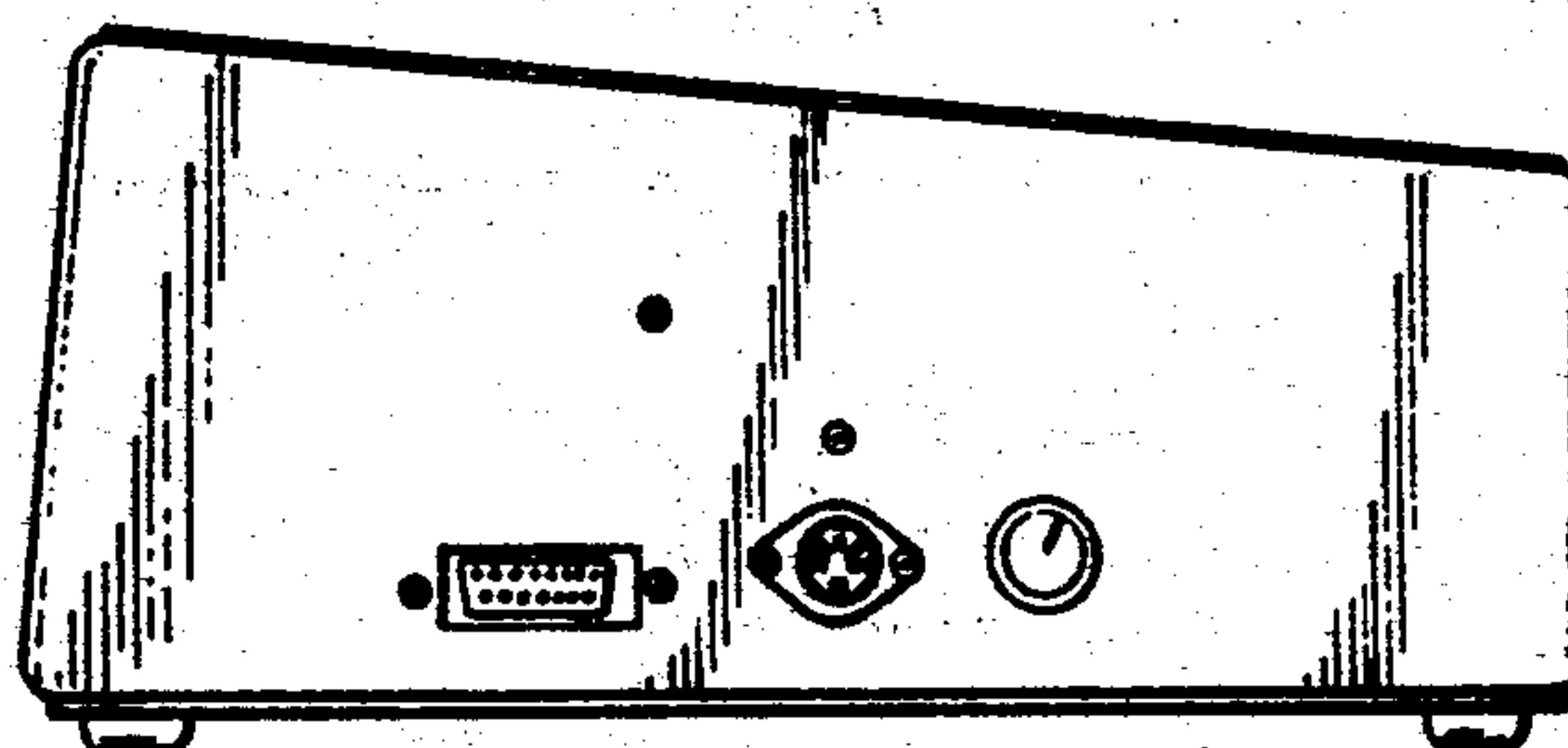


Fig-9

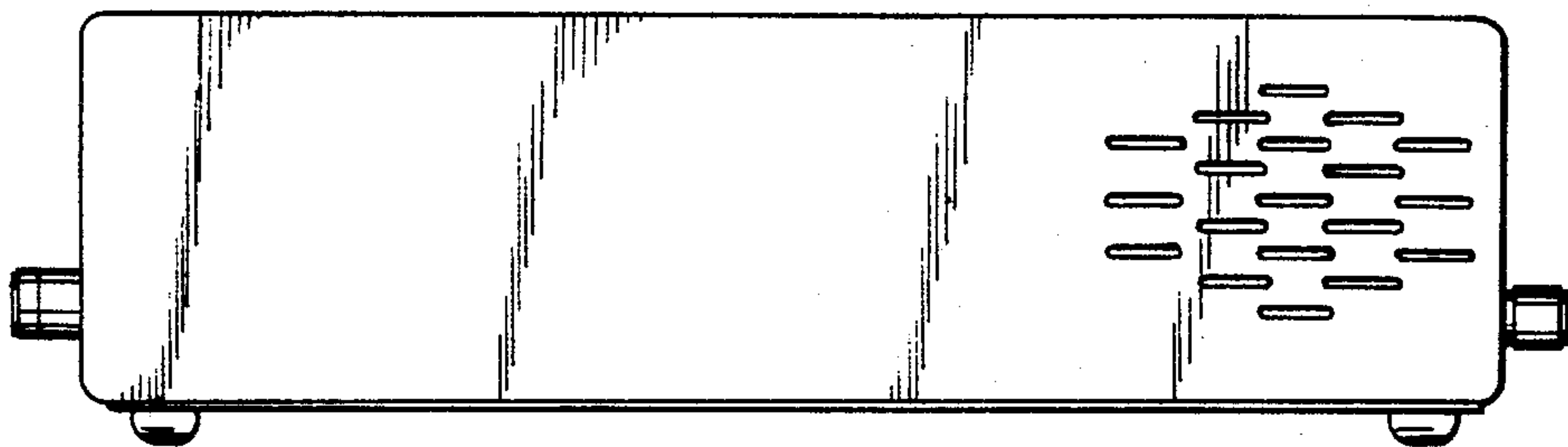


Fig-10

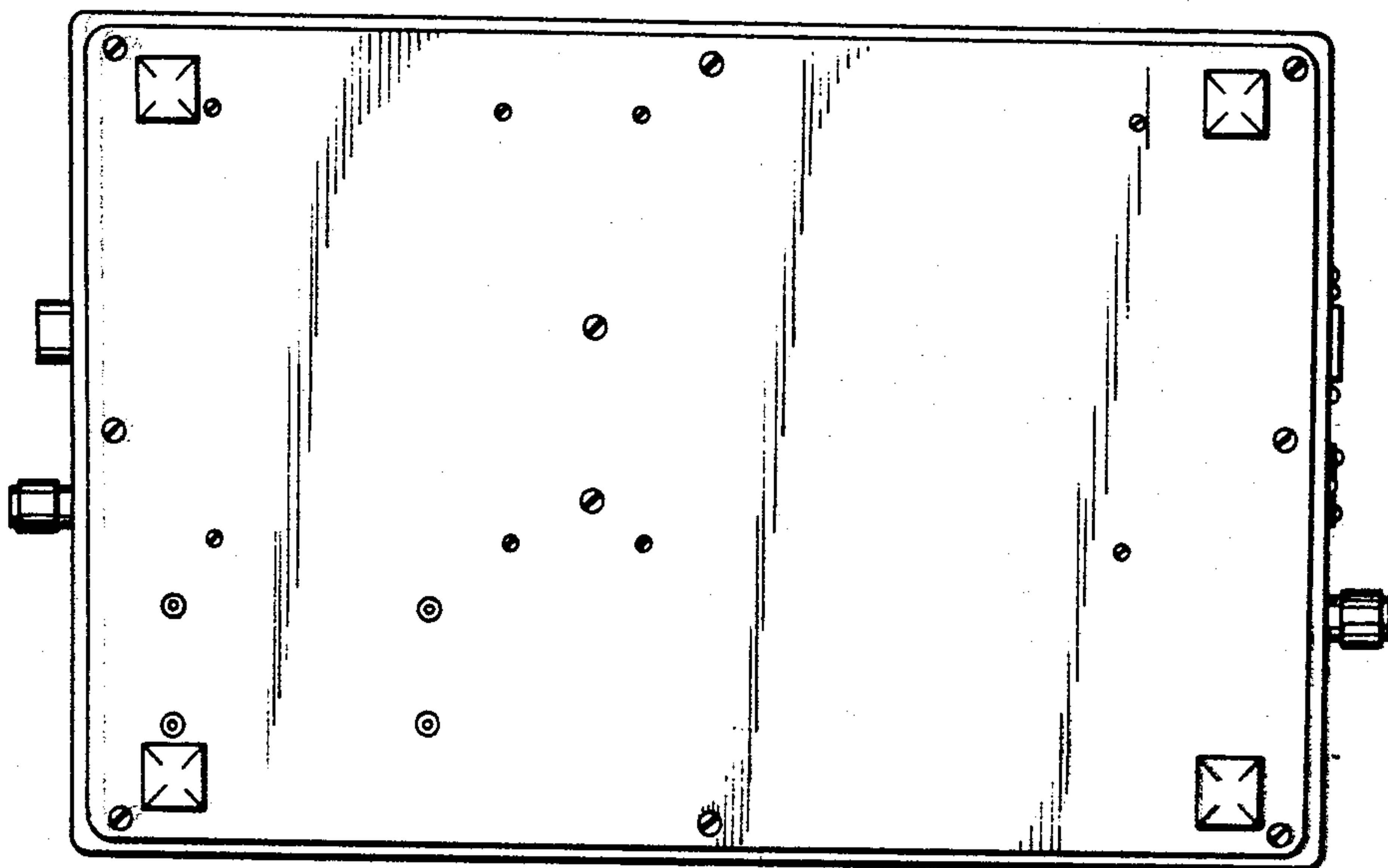


Fig-11

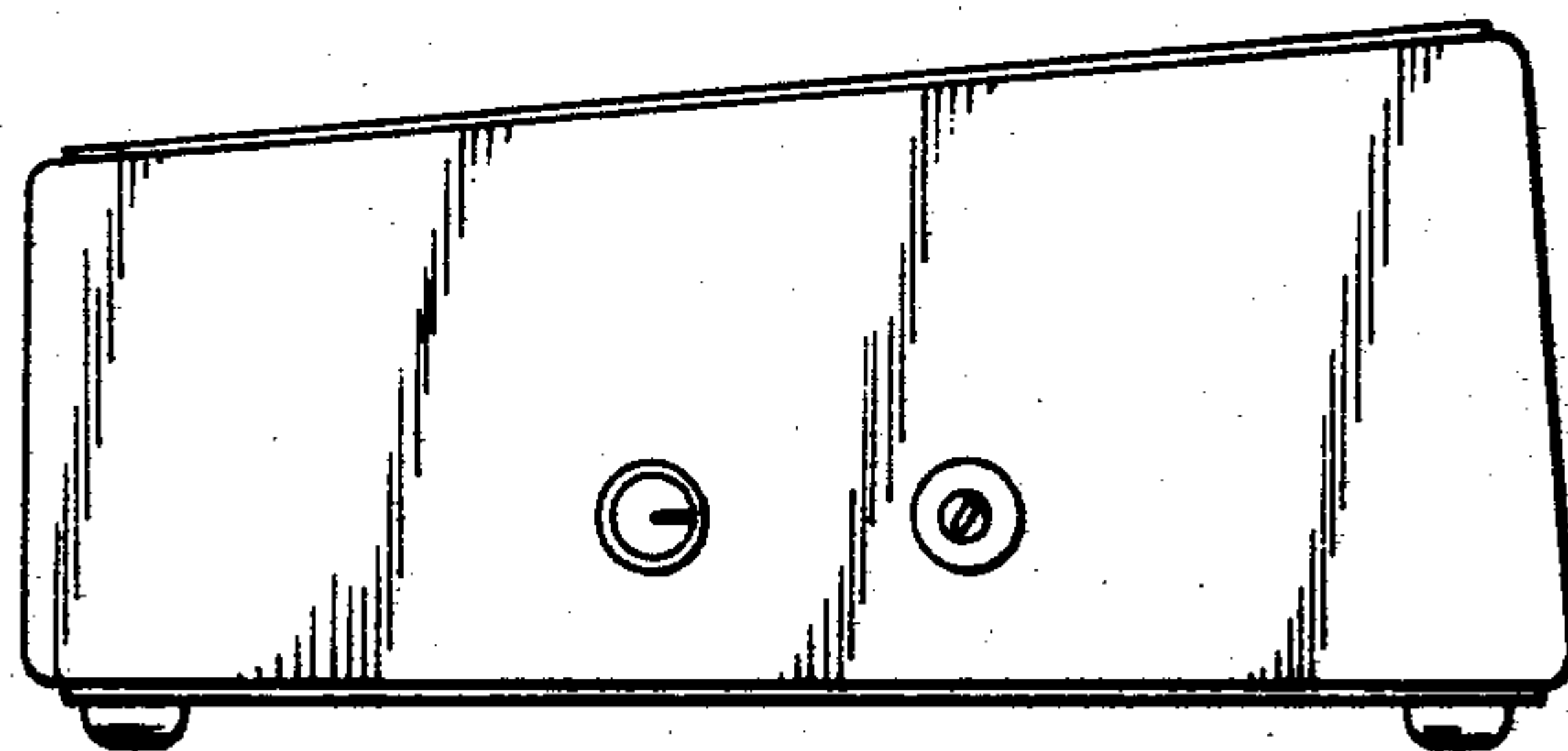


Fig-12