



US00D386099S

# United States Patent [19] **Billington**

[11] **Patent Number: Des. 386,099**  
[45] **Date of Patent: \*\*Nov. 11, 1997**

[54] **PORTABLE MACHINERY ANALYZER**  
[75] **Inventor: Ralph Douglas Billington, Oak Ridge, Tenn.**  
[73] **Assignee: Machinexpert, LLC, Knoxville, Tenn.**  
[\*\*] **Term: 14 Years**  
[21] **Appl. No.: 56,131**  
[22] **Filed: Jun. 24, 1996**  
[51] **LOC (6) Cl. .... 10-04**  
[52] **U.S. Cl. .... D10/75; D10/78; D14/100**  
[58] **Field of Search .... D10/46, 75, 78;**  
**D14/100; 73/431; 324/156; 340/700-712;**  
**364/706-710**

[56] **References Cited**  
**U.S. PATENT DOCUMENTS**  
D. 340,701 10/1993 Takeuchi ..... D14/100  
D. 345,346 3/1994 Alfonso et al. .... D14/100  
D. 355,170 2/1995 Mizusugi et al. .... D14/100  
D. 356,548 3/1995 Bottcher et al. .... D14/100

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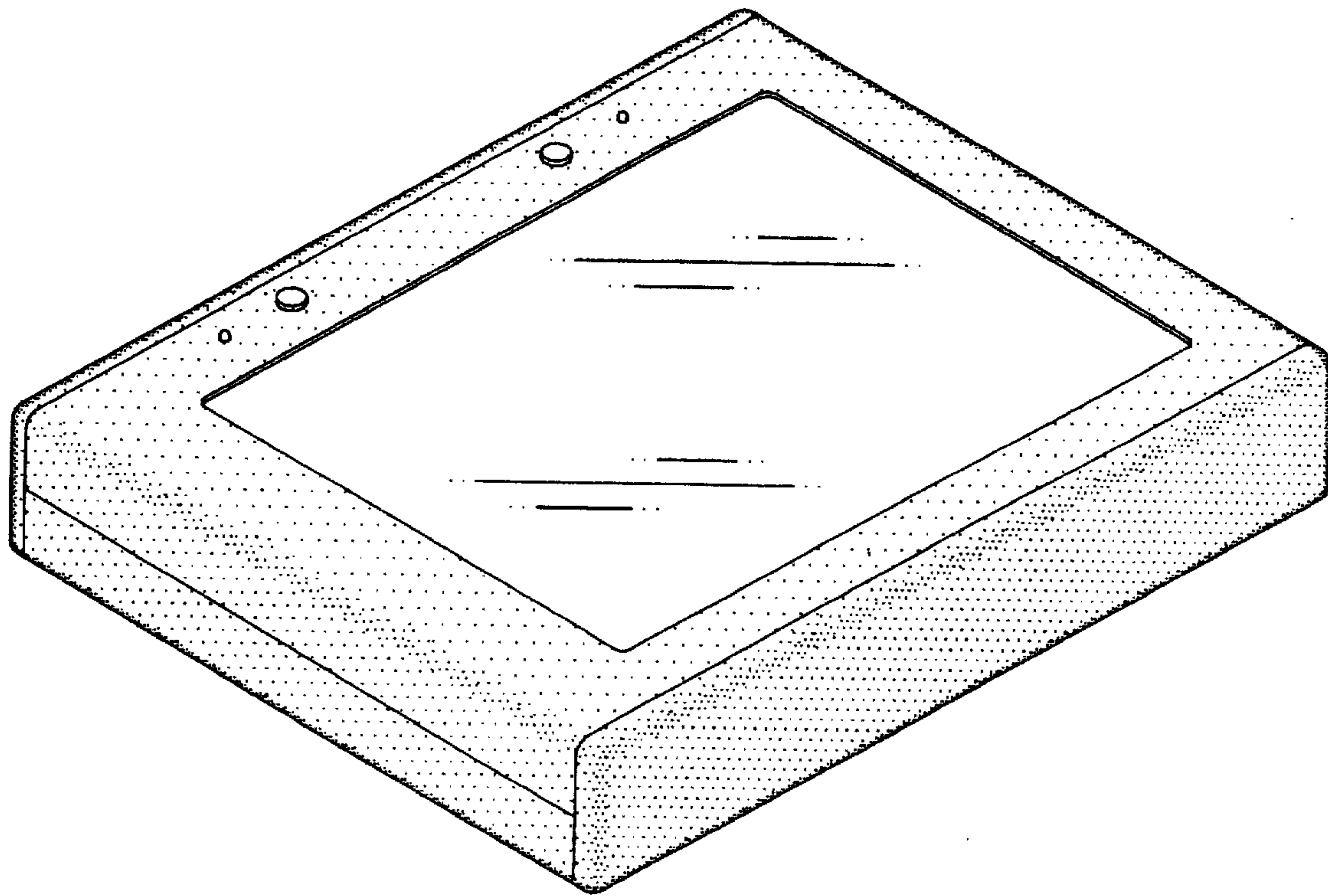
[57] **CLAIM**

The ornamental design of a portable machinery analyzer, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a portable machine analyzer showing my new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a right side elevation view thereof;  
FIG. 7 is a left side elevation view thereof; and,  
FIG. 8 is a top plan view of an alternate embodiment of a portable machine analyzer showing my new design all views not shown are identical to those shown in FIGS. 2, 3, and 5-7.  
The broken line showing is for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



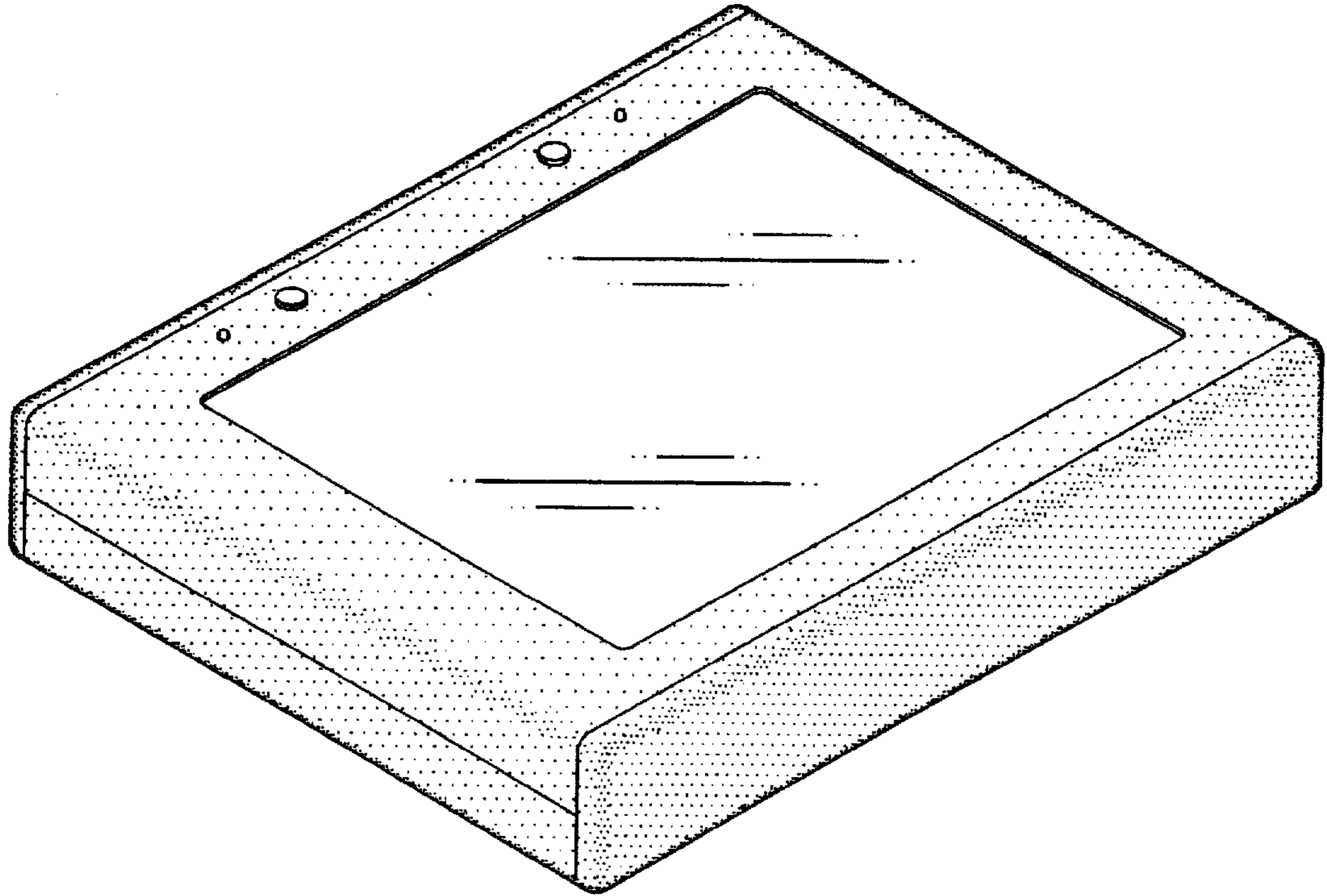


Fig. 1

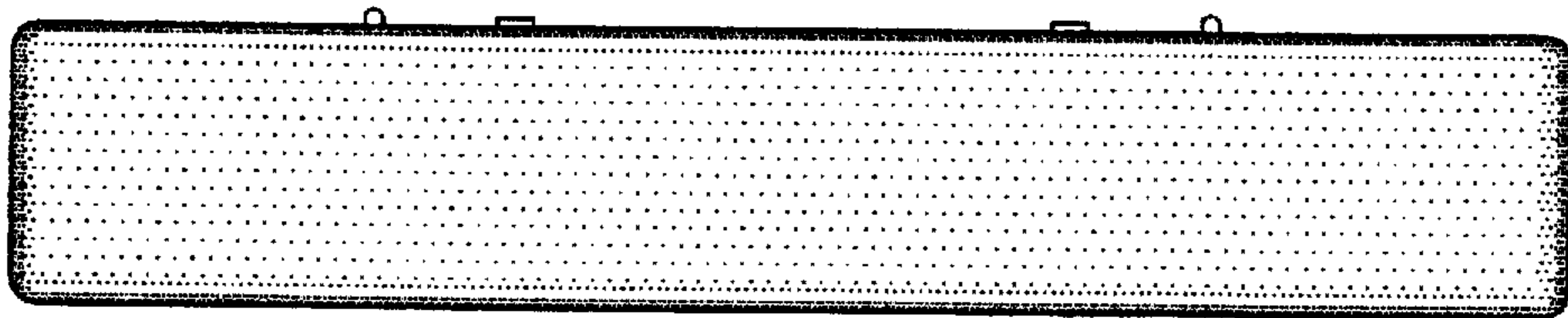


Fig. 2

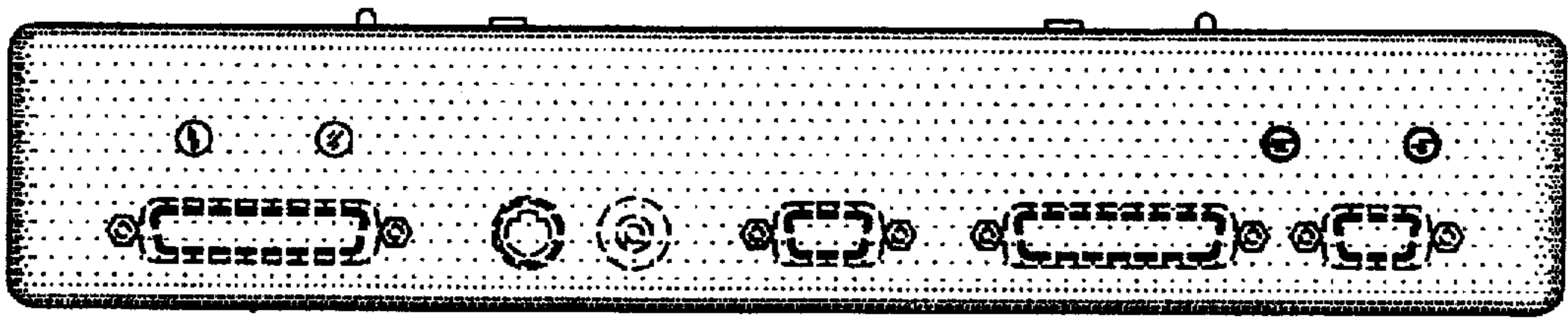


Fig. 3

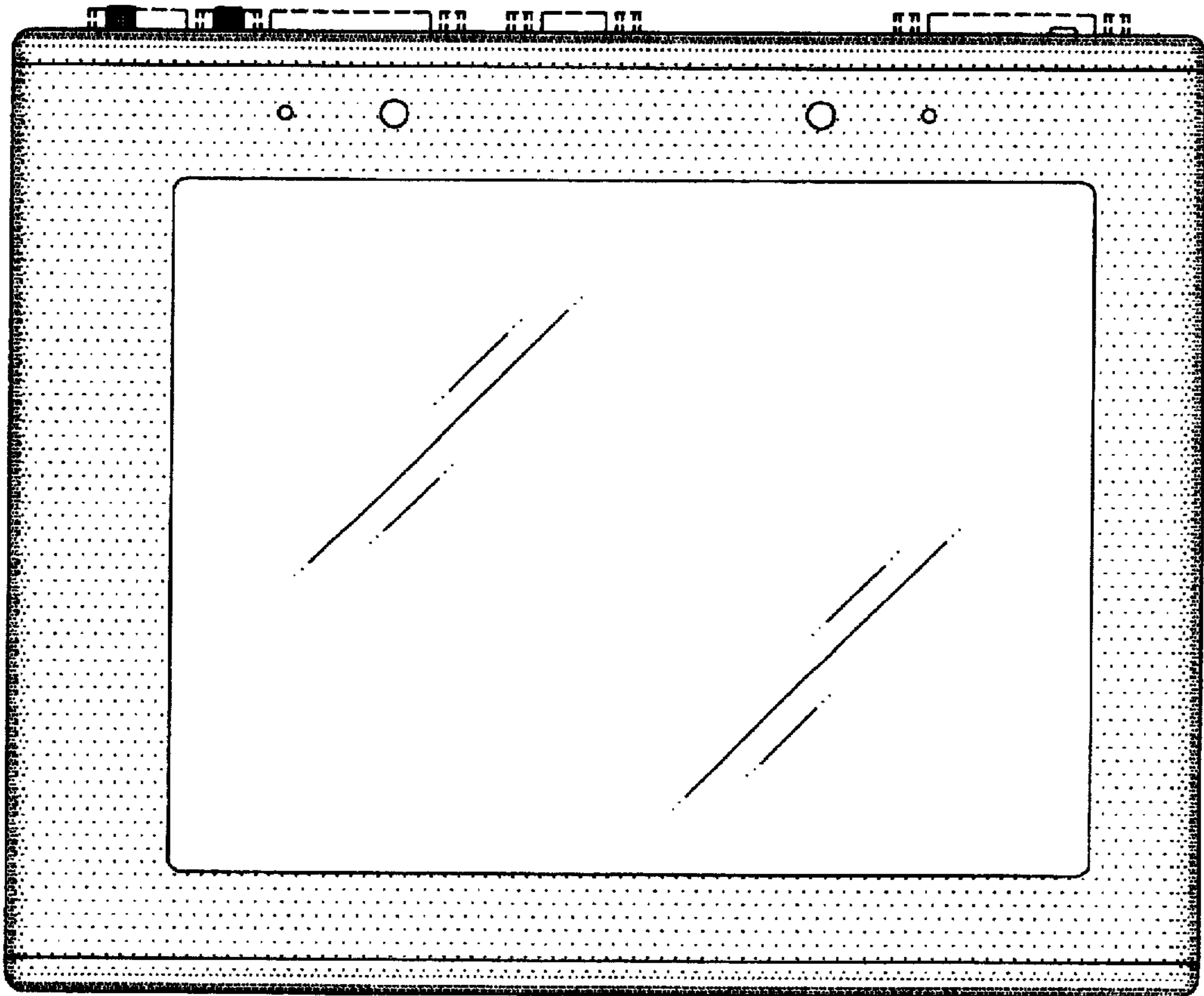


Fig. 4

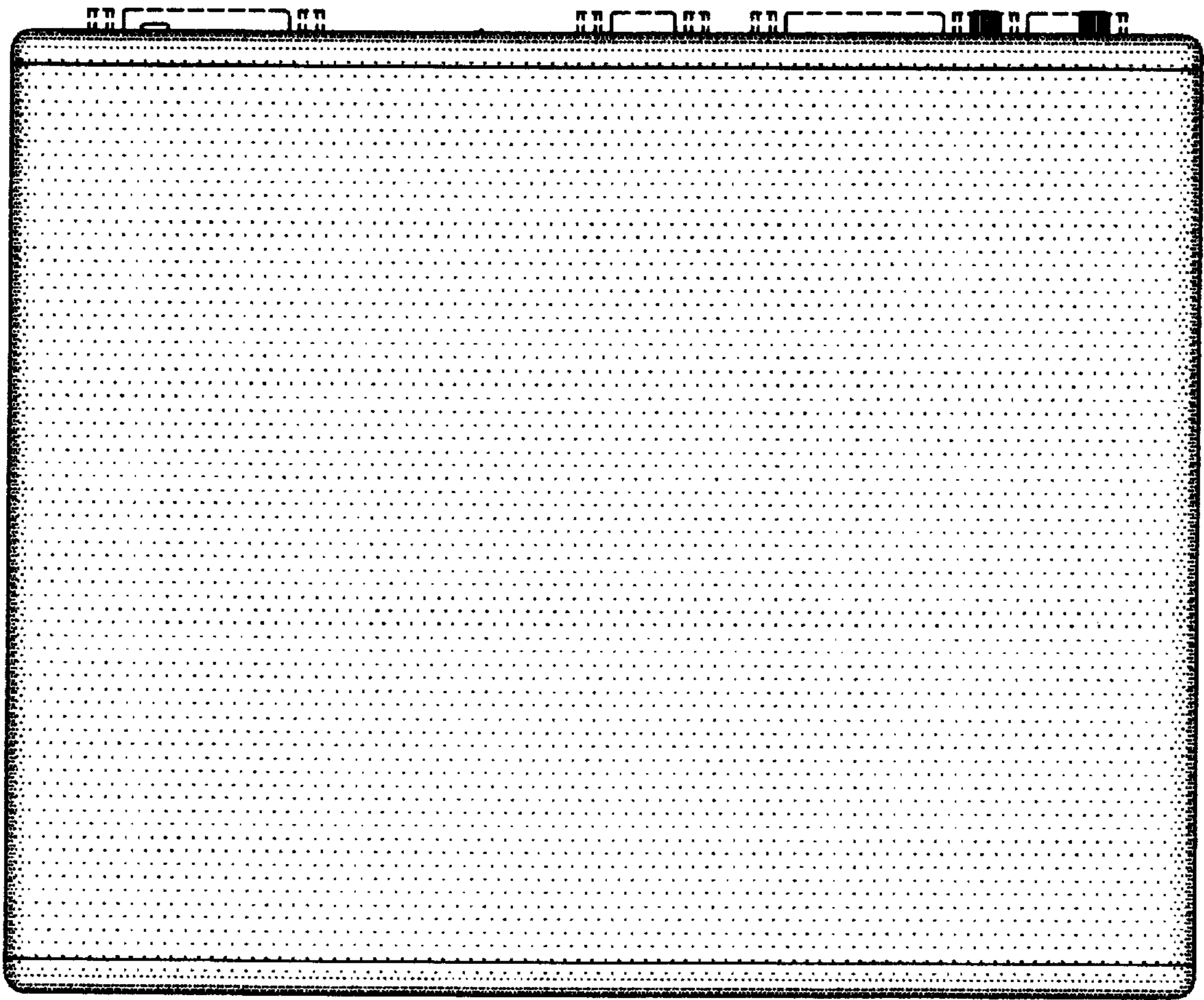


Fig. 5

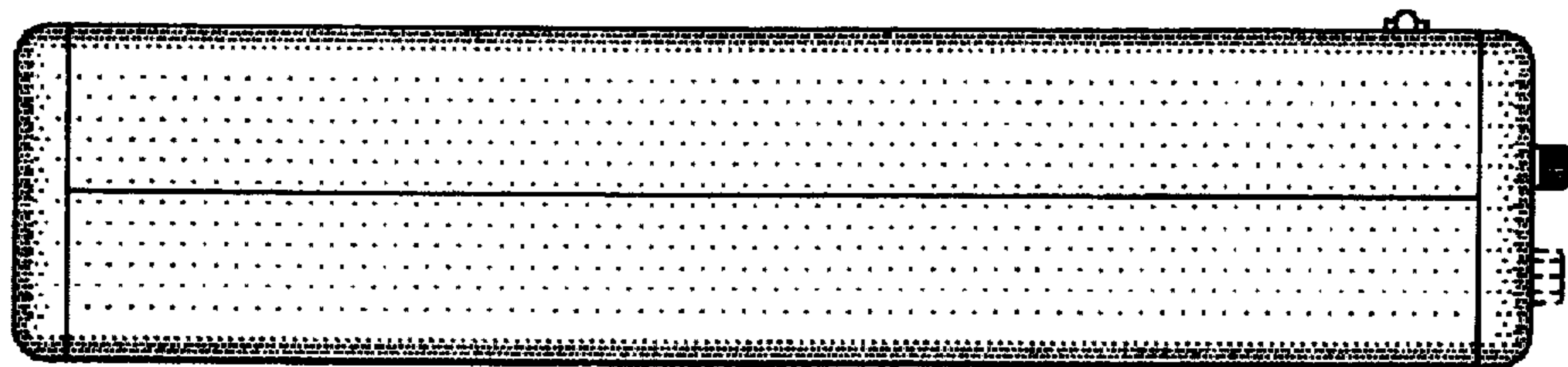


Fig. 6

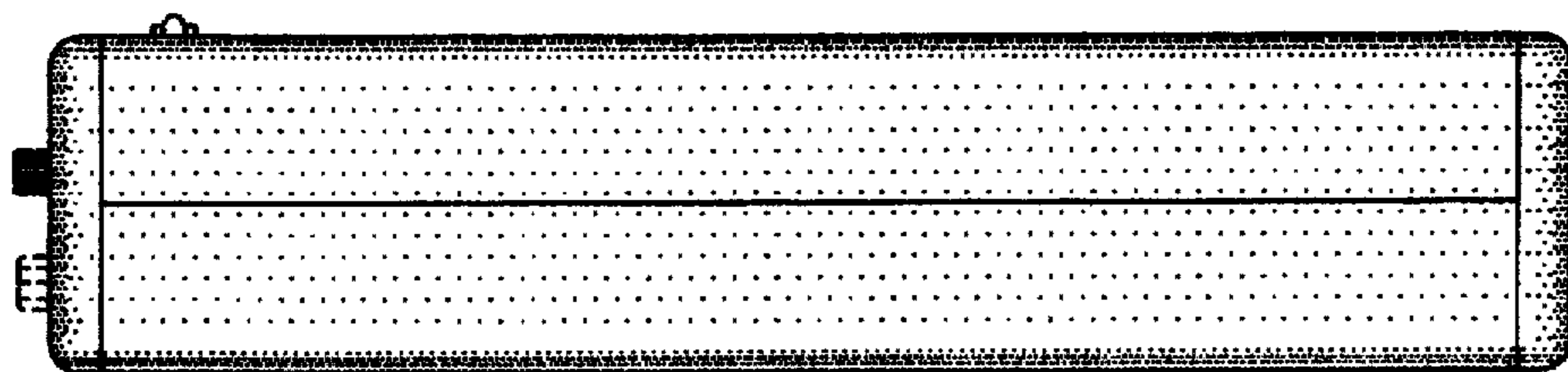


Fig. 7

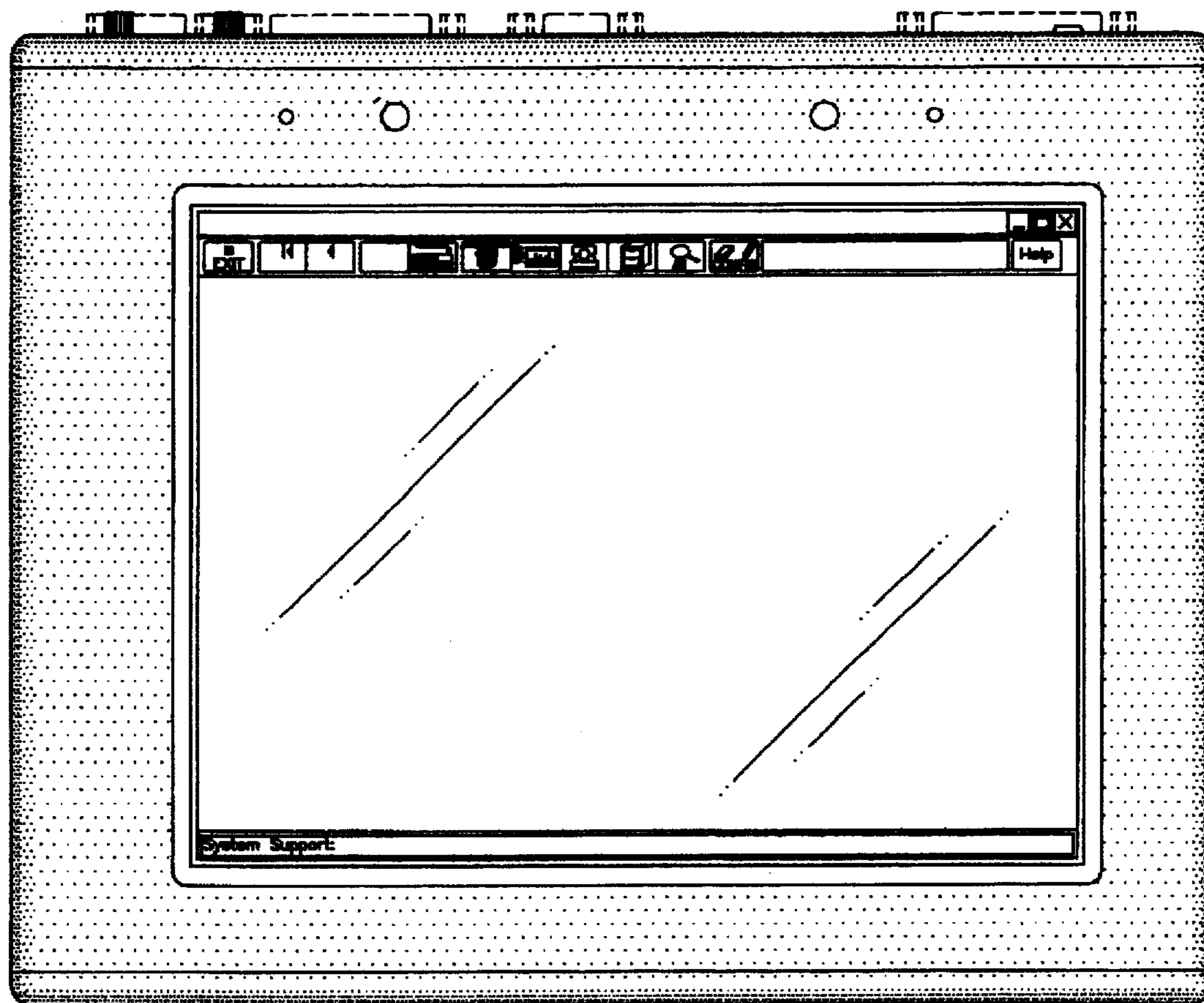


Fig. 8