



US00D445189S

(12) **United States Design Patent** (10) **Patent No.:** **US D445,189 S**
Cannon et al. (45) **Date of Patent:** **** Jul. 17, 2001**

(54) **MEDICAL DIAGNOSTIC ULTRASOUND SYSTEM**

(75) Inventors: **Michael G. Cannon**, Haverford, PA (US); **Andrew J. Wood**, Mt. Holly, NJ (US); **Ian Balmain Hewitt**, Newcastle Upon Tyne (GB); **Richard K. Pallo**, New Hope; **Bryon L. Thompson**, Morrisville, both of PA (US)

(73) Assignee: **Ecton, Inc.**, Plymouth Meeting, PA (US)

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

(21) Appl. No.: **29/110,834**

(22) Filed: **Sep. 14, 1999**

(51) **LOC (7) Cl.** **24-01**

(52) **U.S. Cl.** **D24/160**

(58) **Field of Search** D24/160, 158, D24/186; 600/437, 440, 444, 447, 443

(56) **References Cited**

U.S. PATENT DOCUMENTS

D. 300,241	*	3/1989	LaCelle et al.	D24/160
D. 334,981	*	4/1993	Davis et al.	D24/160
D. 343,683	*	1/1994	Muskatello et al.	D24/186
D. 365,148	*	12/1995	Murakami et al.	D24/160
D. 379,231	*	5/1997	Ungari	D24/160
D. 394,712	*	5/1998	Henderson et al.	D24/160
D. 398,059	*	9/1998	Kwak	D24/160
3,603,729		9/1971	Sperber .	
4,335,427		6/1982	Hunt et al. .	
4,337,481		6/1982	Mick et al. .	
4,431,007		2/1984	Amazeen et al. .	
4,444,196		4/1984	Stein .	
4,585,008		4/1986	Jarkewicz .	
4,625,731	*	12/1986	Quedens et al.	128/660.07
4,729,379		3/1988	Ohe .	

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

984463 12/1982 (RU) .

OTHER PUBLICATIONS

“The Flexibility of Configurable Computing,” Villasenor and Hutchings, IEEE Signal Processing Magazine, Sep. 1998, vol. 15, No. 5, pp67-84.

Declaration of Stuart Carp (1 page) Apr. 24, 2000.

Declaration of John Williams (7 pages) Apr. 17, 2000.

Primary Examiner—Stella Reid

(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

(57) **CLAIM**

The ornamental design for a medical diagnostic ultrasound system, as shown and described.

DESCRIPTION

FIG. 1 is a front, left side perspective view of a medical diagnostic ultrasound system, showing our new design;

FIG. 2 is a front view thereof, with the keyboard in a down position;

FIG. 3 is a front view thereof, with the keyboard in an up position;

FIG. 4 is a rear view thereof.

FIG. 5 is a top view thereof.

FIG. 6 is a bottom view thereof.

FIG. 7 is a left view thereof.

FIG. 8 is a right view thereof.

FIG. 9 is a front, left side perspective view of a second embodiment of the medical diagnostic ultrasound system.

FIG. 10 is a front view thereof.

FIG. 11 is a rear view thereof.

FIG. 12 is a top view thereof.

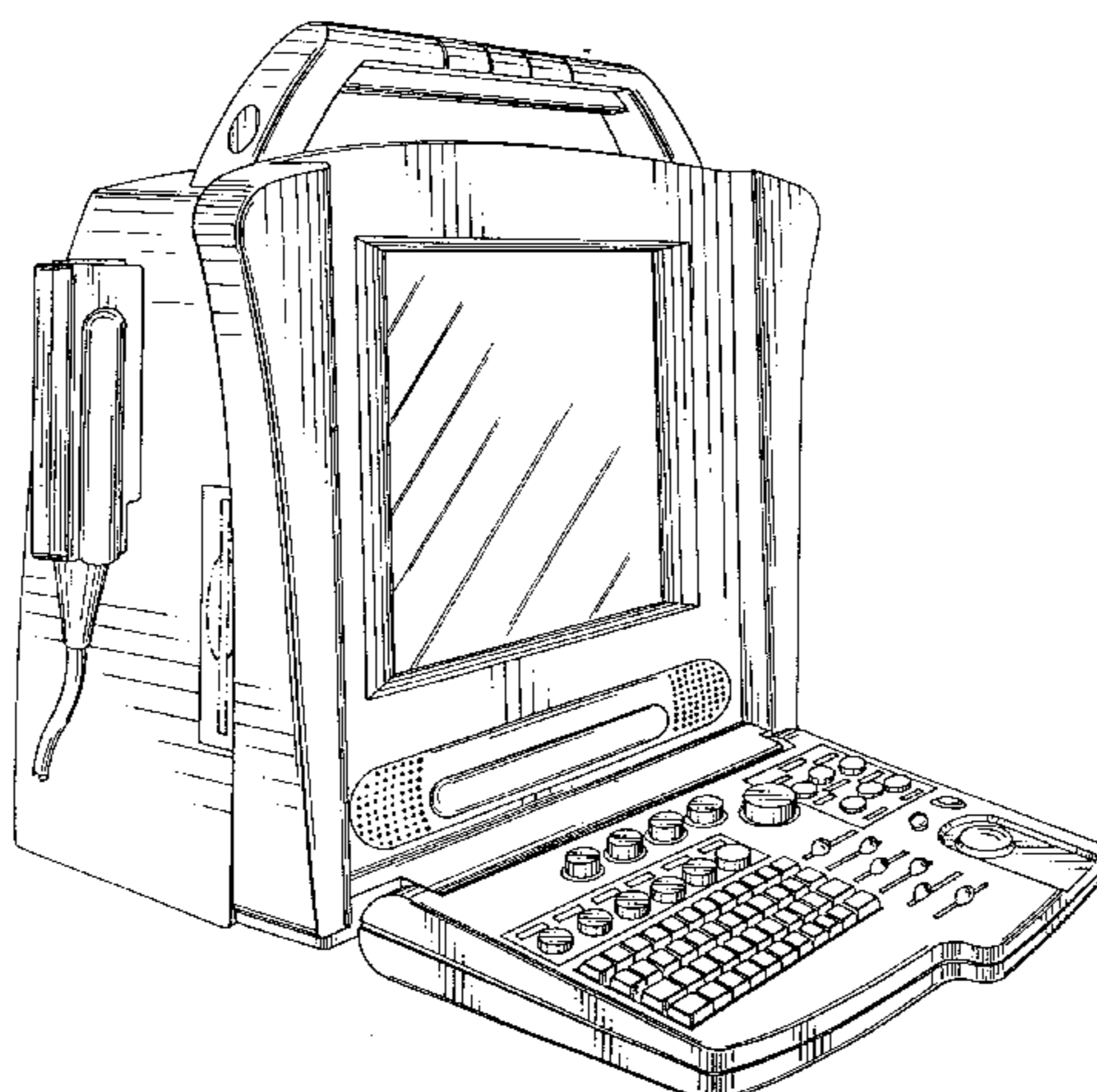
FIG. 13 is a bottom view thereof.

FIG. 14 is a left view thereof; and,

FIG. 15 is a right view thereof.

The broken line showing of the transducer and other component parts is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 15 Drawing Sheets



US D445,189 S

Page 2

U.S. PATENT DOCUMENTS

4,750,367	6/1988	Bernatets .	5,357,580	10/1994	Forestieri et al. .
4,751,846	6/1988	Dousse .	5,425,366	6/1995	Reinhardt et al. .
4,785,818	11/1988	Hardin .	5,456,257	10/1995	Johnson et al. .
4,846,188	7/1989	Yoshioka .	5,457,996	10/1995	Kondo et al. .
4,878,115	10/1989	Elion .	5,467,770	11/1995	Smith et al. .
4,887,306	12/1989	Hwang et al. .	5,469,851	11/1995	Lipschutz .
4,888,694	12/1989	Chesarek .	5,476,096	12/1995	Olstad et al. .
5,000,182	3/1991	Hinks .	5,482,046	1/1996	Deitrich .
5,040,537	8/1991	Katakura .	5,530,681	6/1996	Bloom .
5,060,515	10/1991	Kanda et al. .	5,544,128	8/1996	Kim et al. .
5,099,847	3/1992	Powers et al. .	5,544,655	8/1996	Daigle .
5,103,823	4/1992	Acharya et al. .	5,555,534	9/1996	Maslak et al. .
5,142,558	8/1992	Franciose .	5,564,428	10/1996	Soernmo et al. .
5,152,290	10/1992	Freeland .	5,570,691	11/1996	Wright et al. .
5,181,513	1/1993	Touboul et al. .	5,573,001	11/1996	Petrofsky et al. .
5,215,094	6/1993	Franklin et al. .	5,595,179	1/1997	Wright et al. .
5,233,993	8/1993	Kawano .	5,619,995	4/1997	Lobodzinski .
5,251,027	10/1993	LaBeau .	5,647,360	7/1997	Bani-Hashemi et al. .
5,255,683	10/1993	Monaghan .	5,666,955	9/1997	Kondo et al. .
5,325,858	7/1994	Moriizumi .	5,722,412	3/1998	Pflugrath et al. .
5,325,859	7/1994	Ishihara et al. .	5,797,846	8/1998	Seyed-Bolorforosh et al. .
5,345,426	9/1994	Lipschutz .			

* cited by examiner

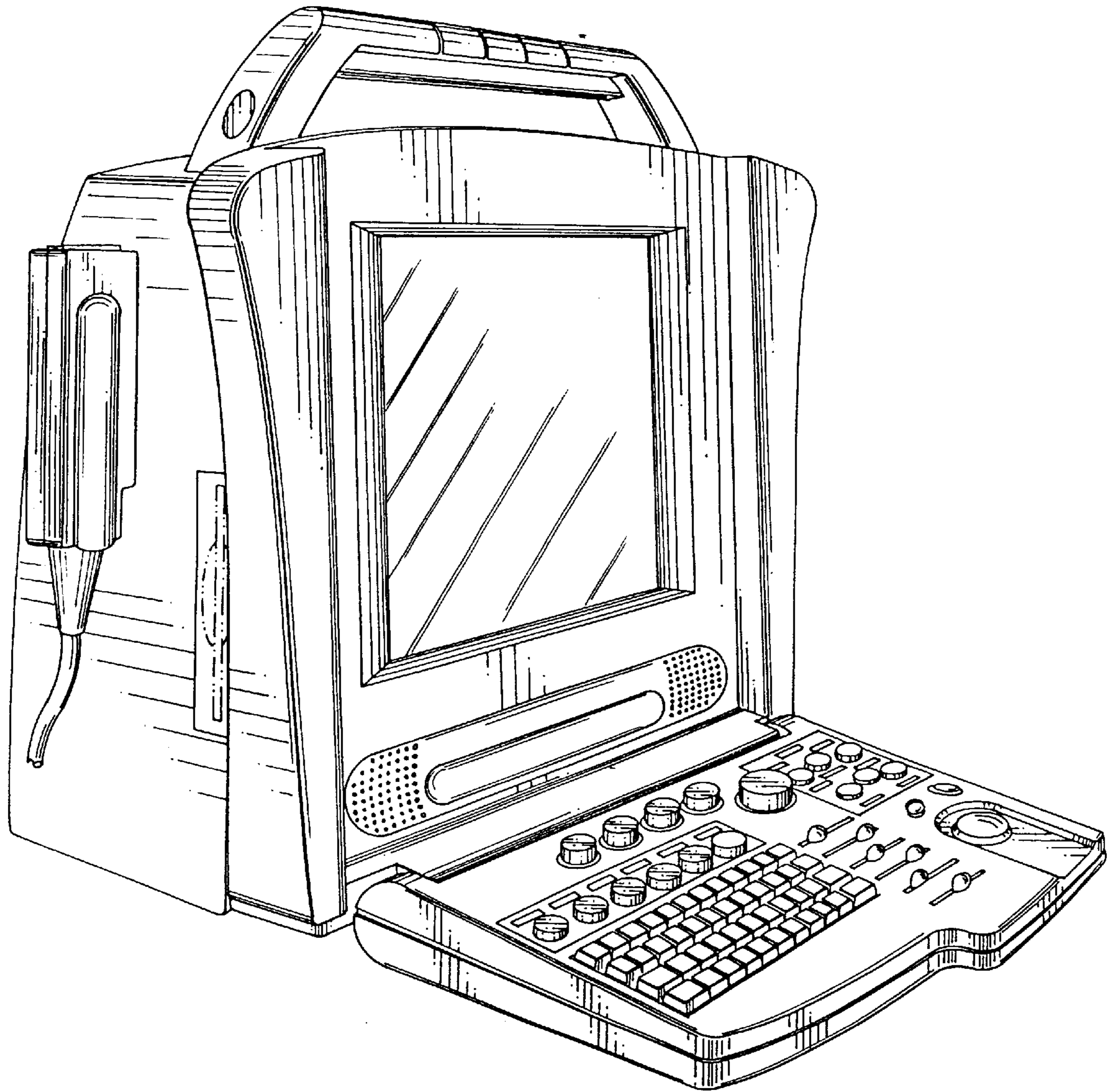


Fig. 1

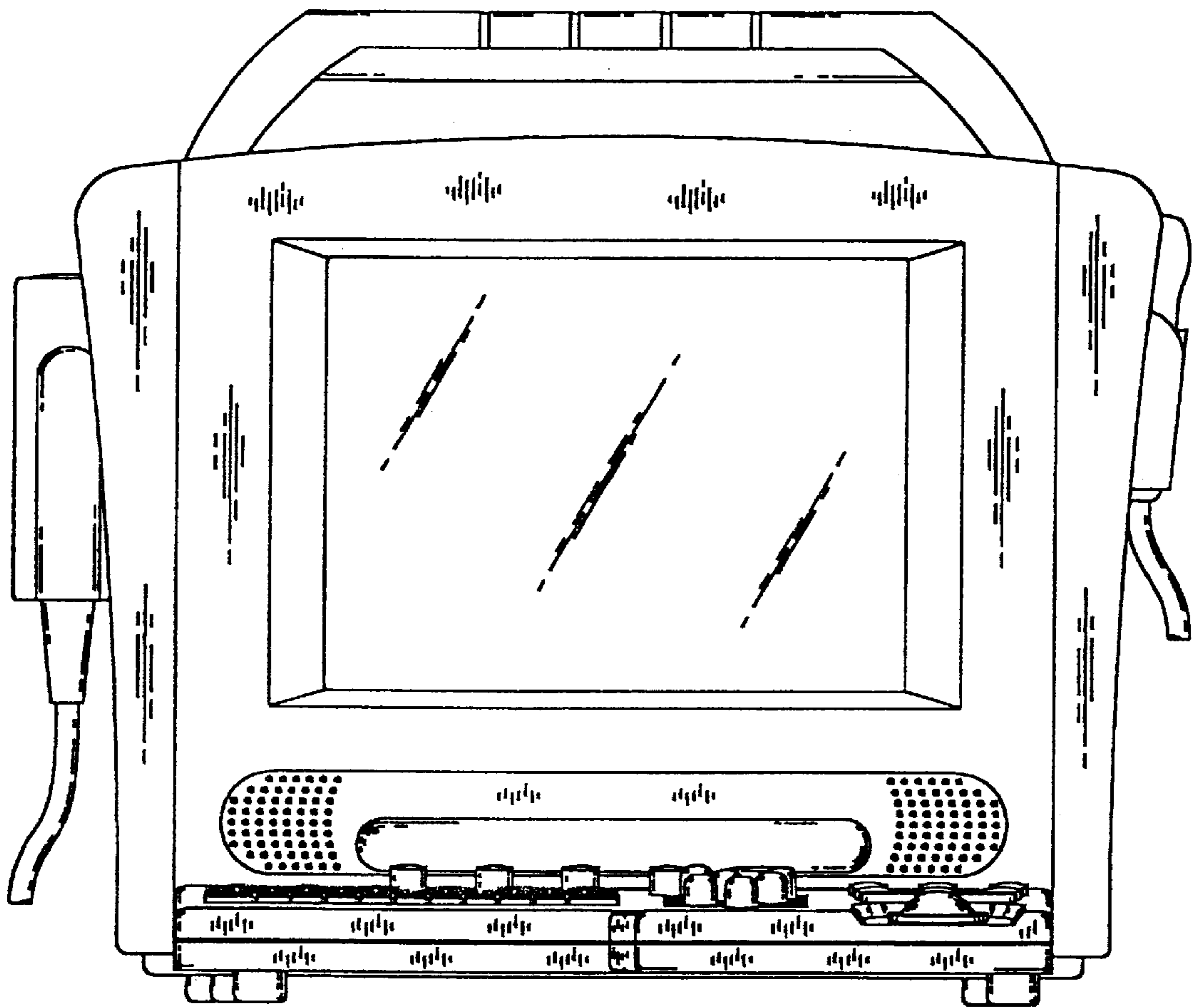


Fig. 2

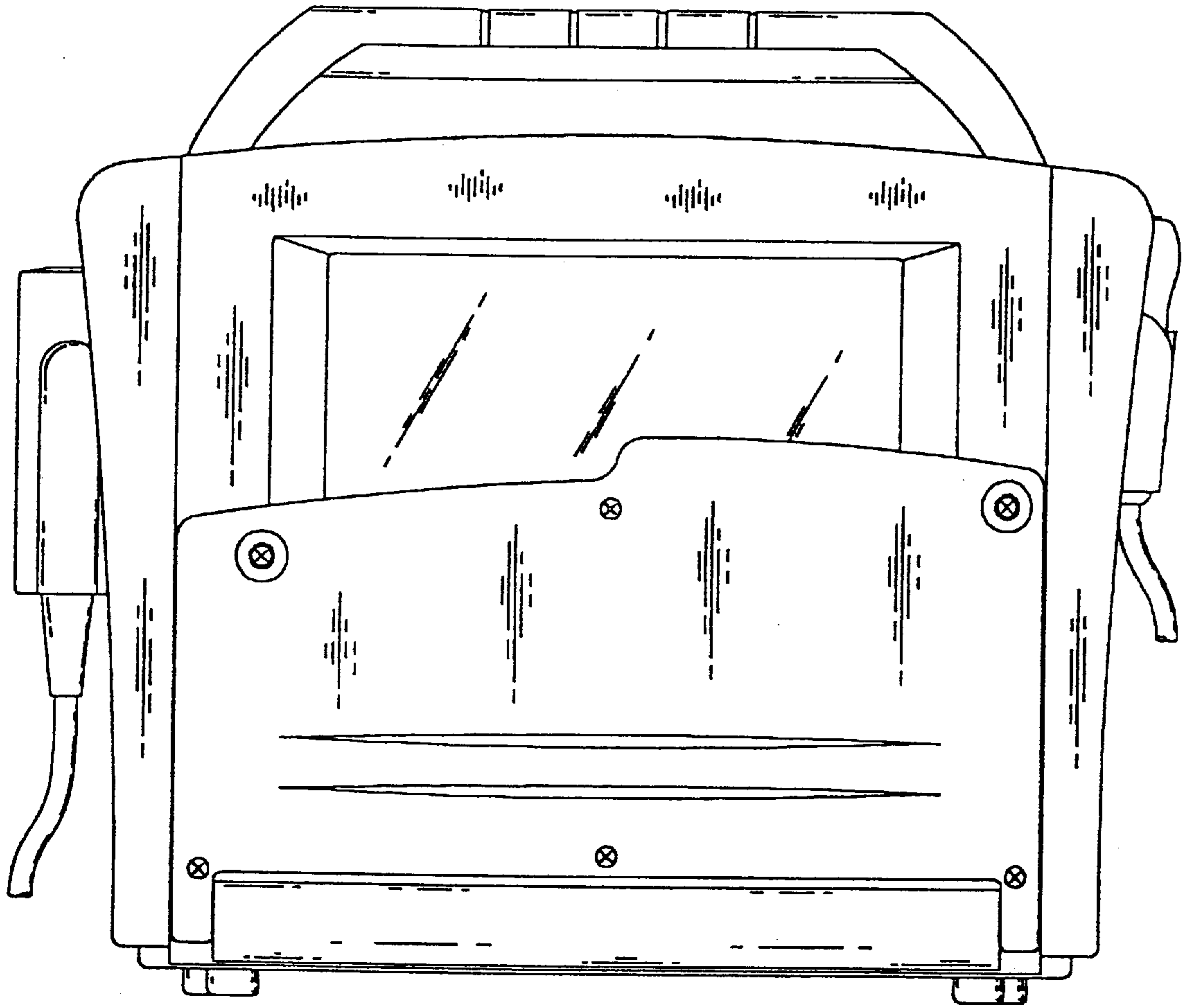


Fig. 3

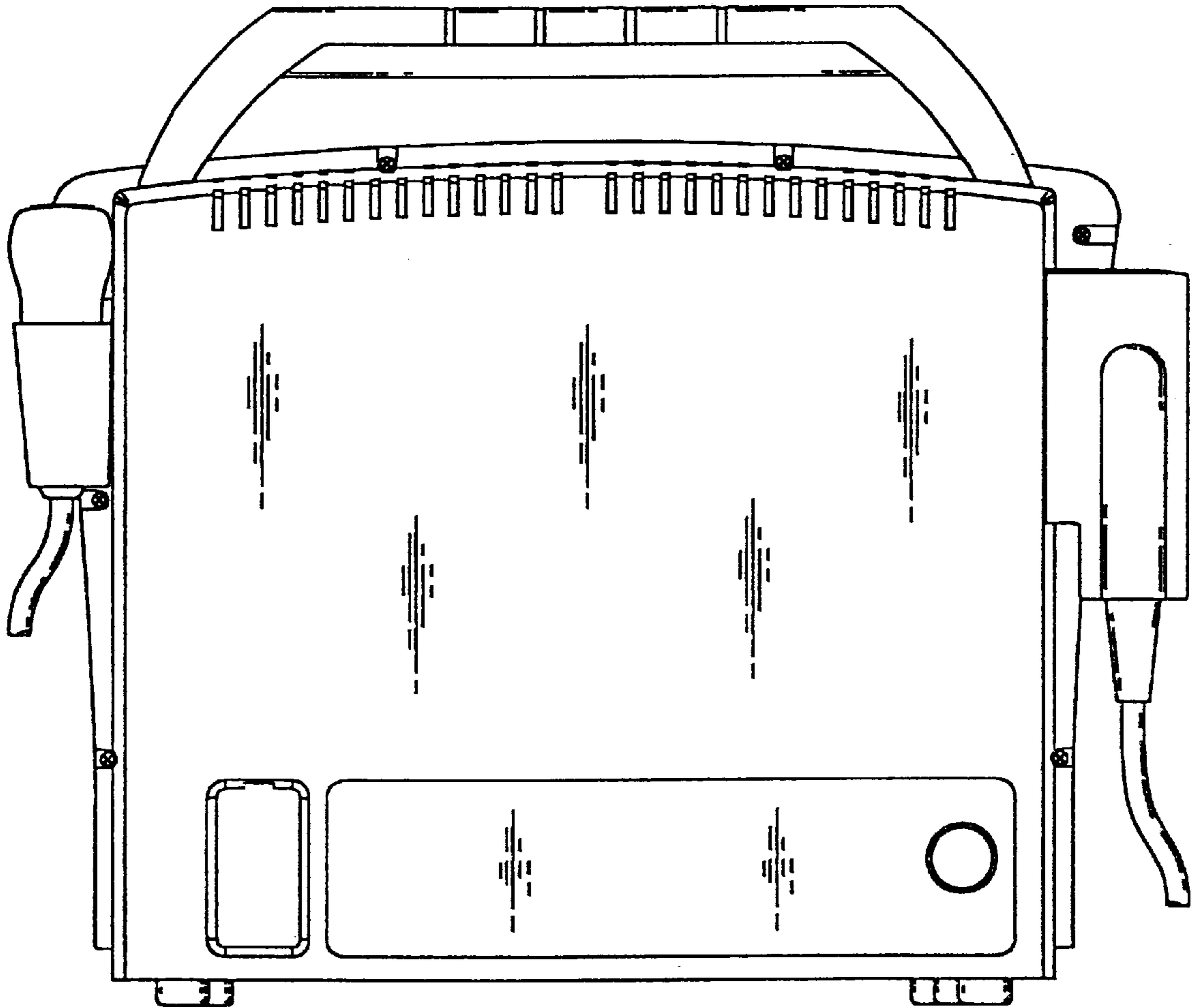


Fig. 4

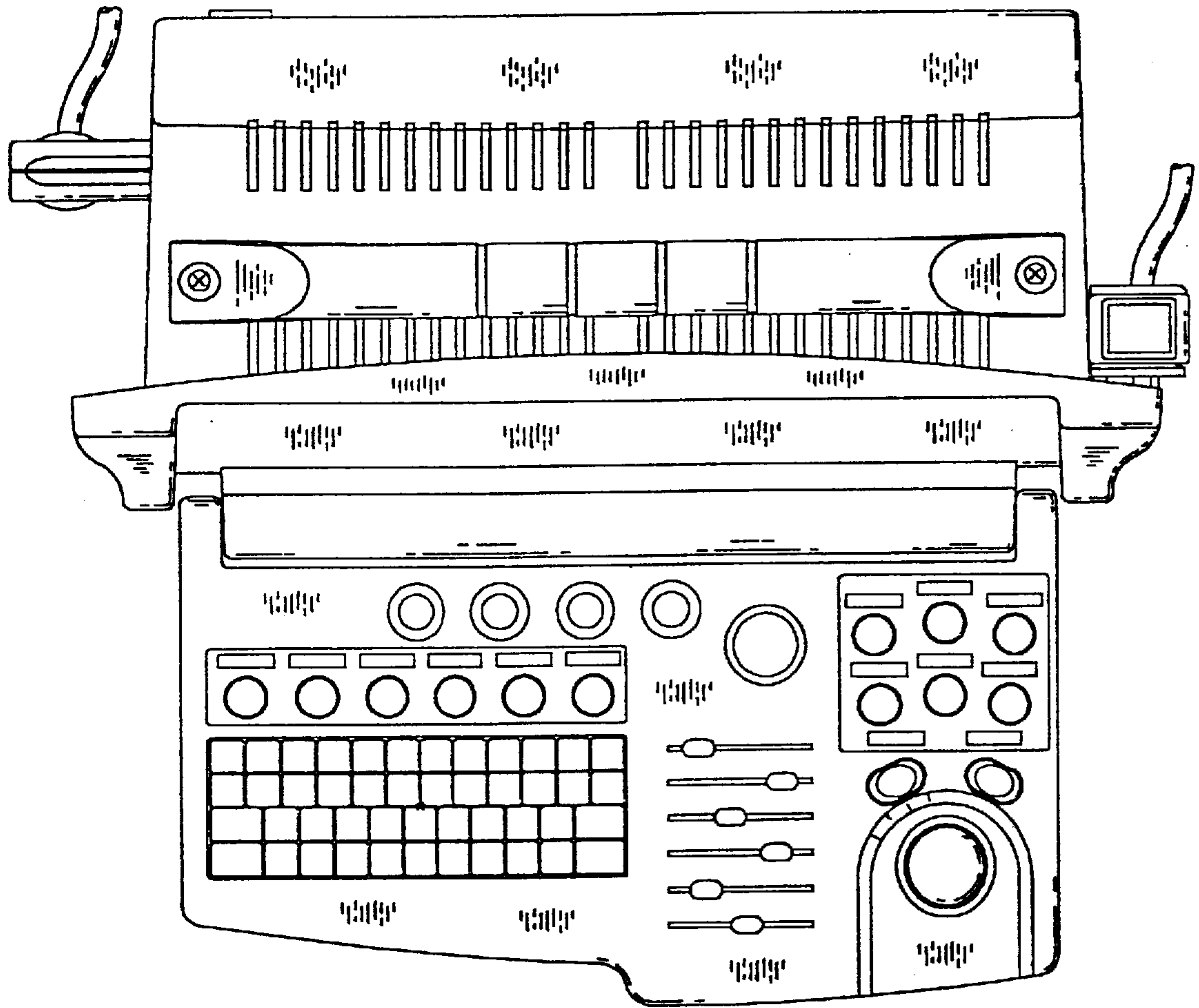


Fig. 5

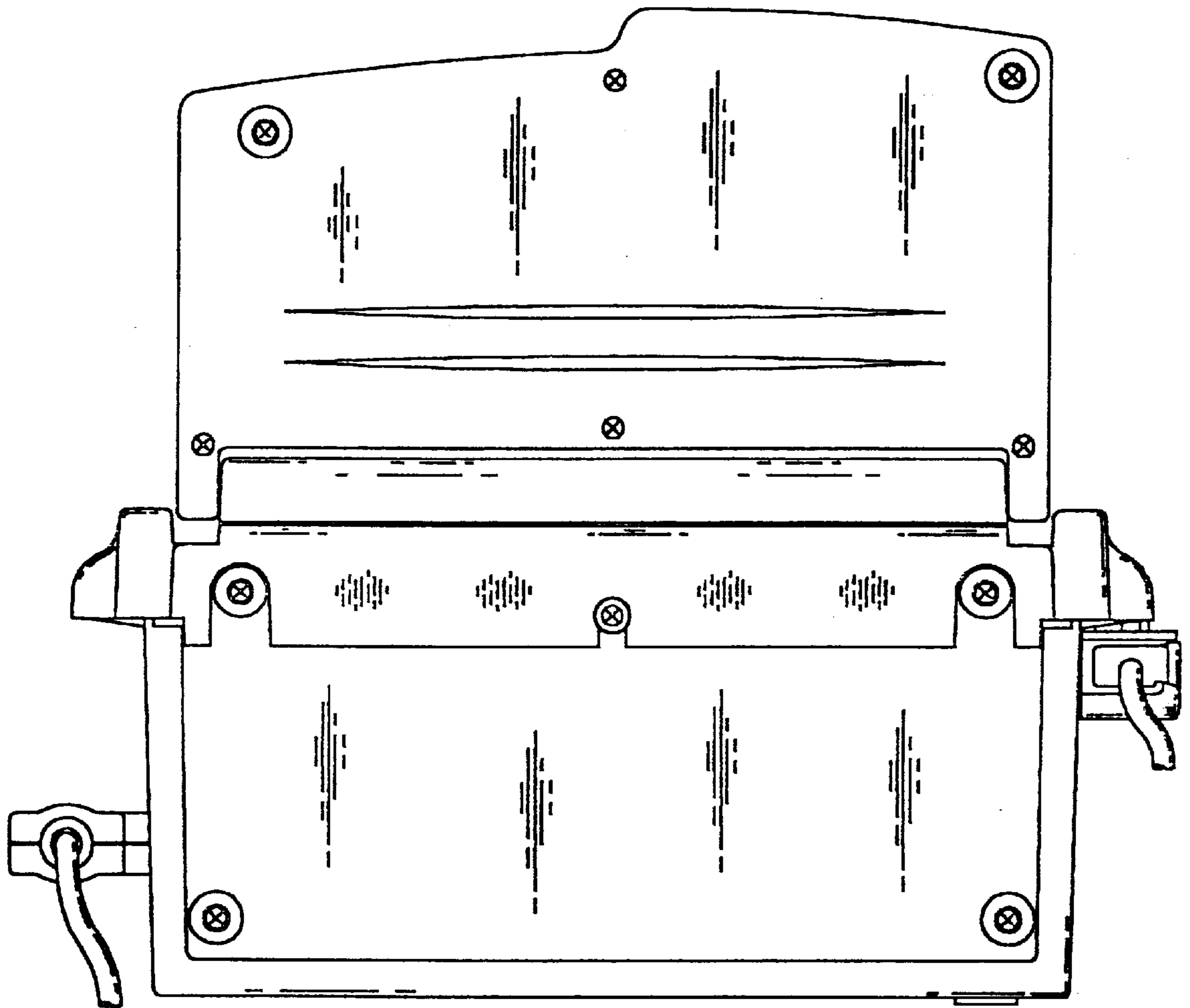


Fig. 6

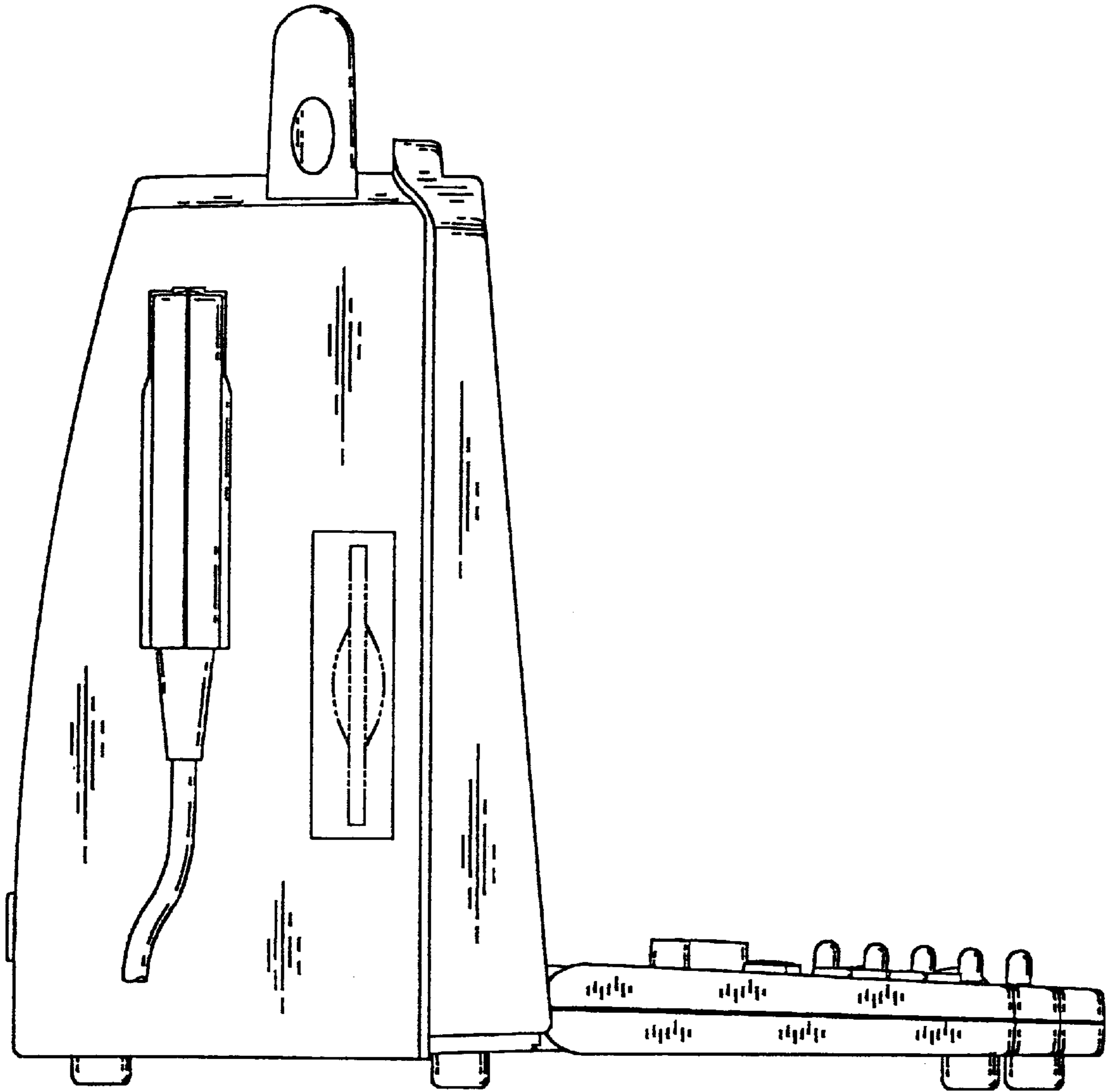


Fig. 7

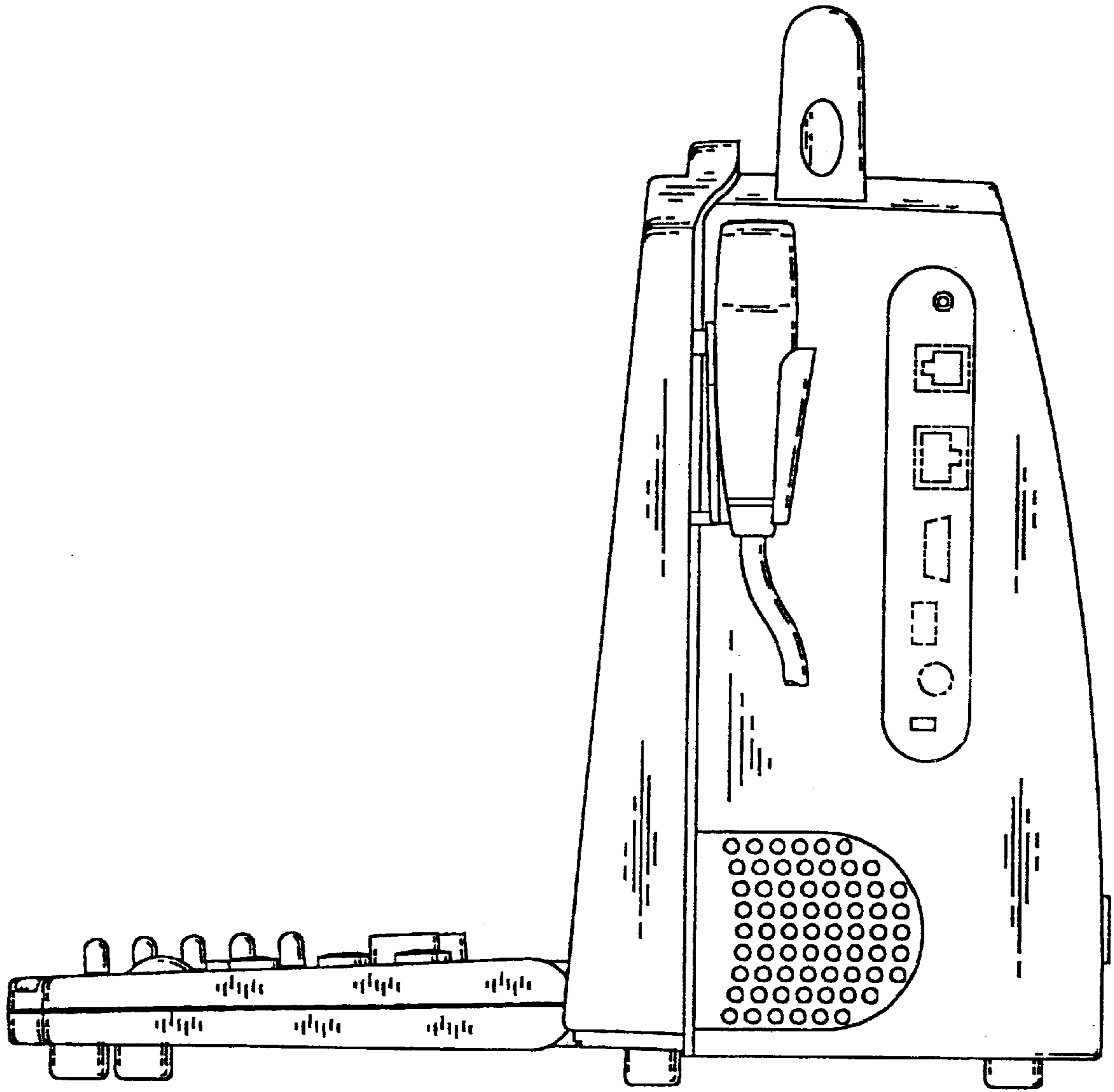


Fig. 8

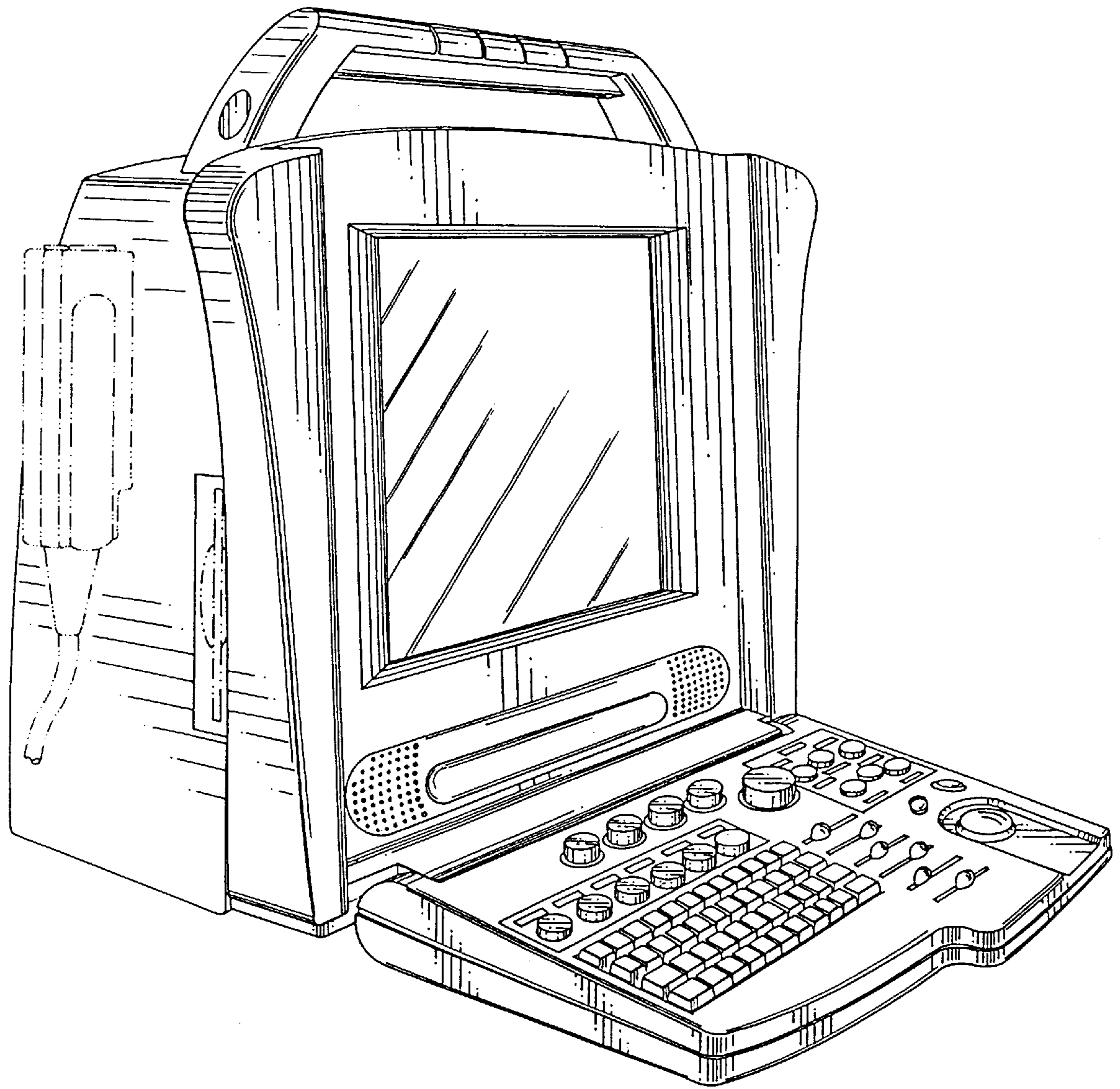


Fig. 9

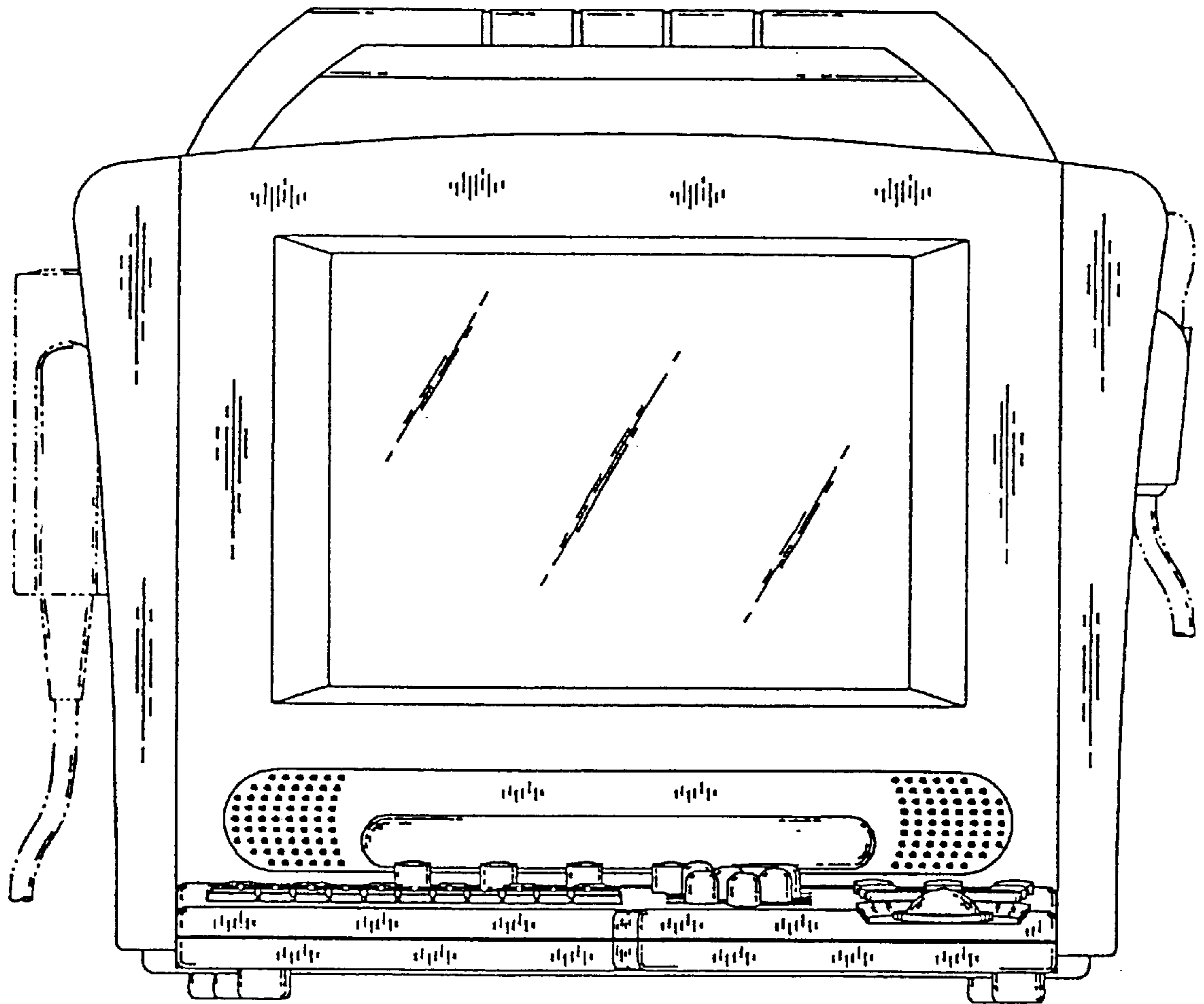


Fig. 10

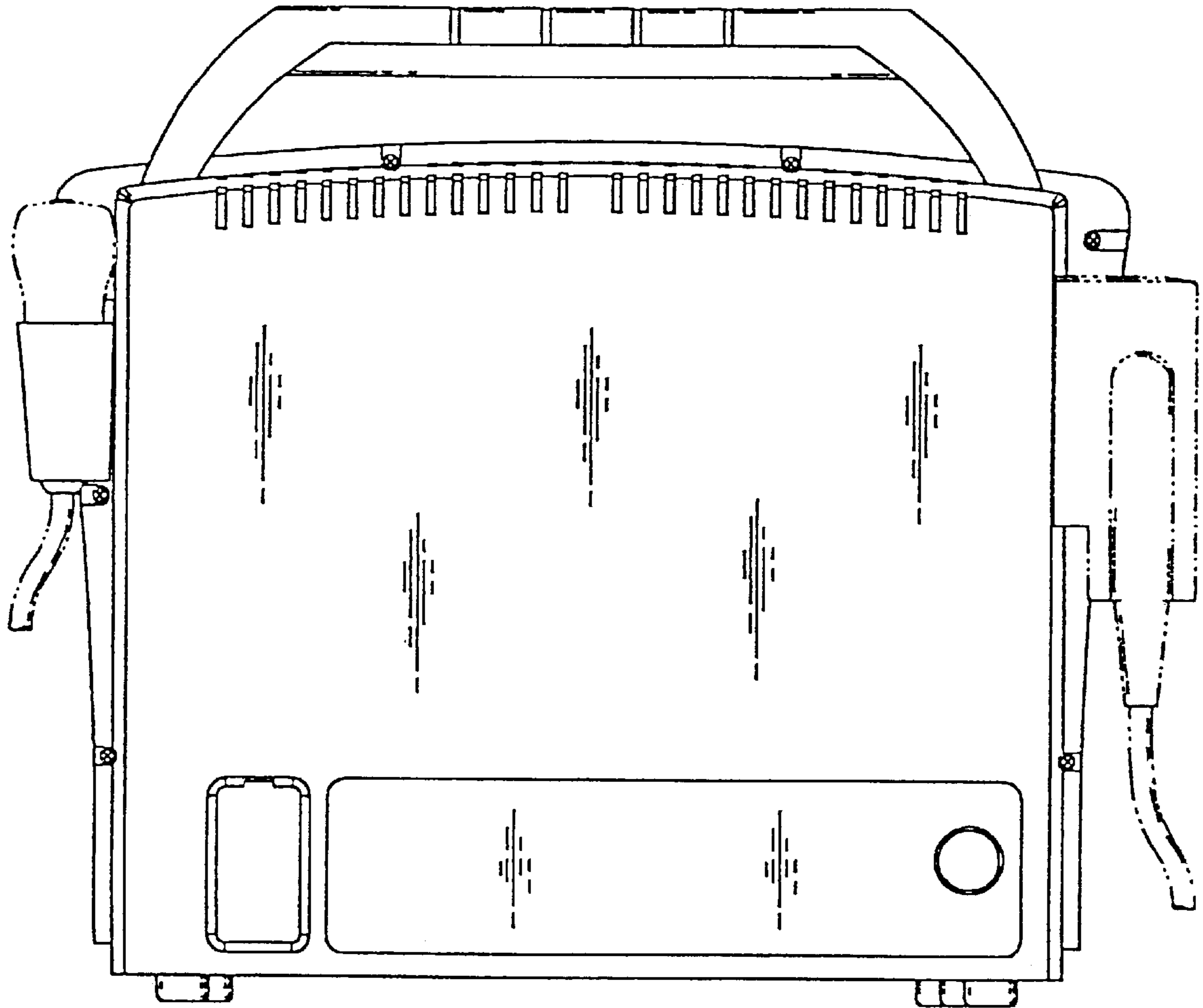


Fig. 11

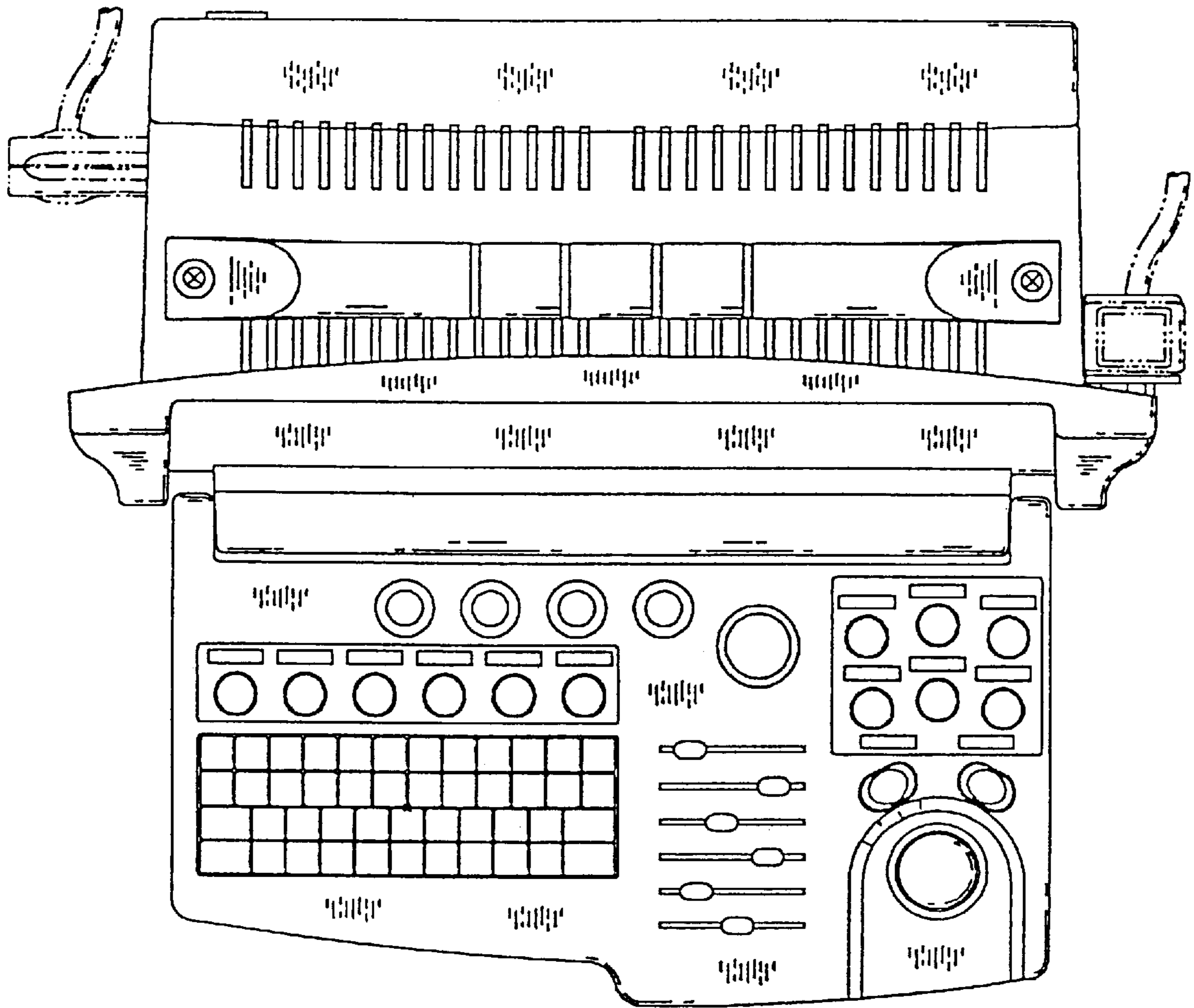


Fig. 12

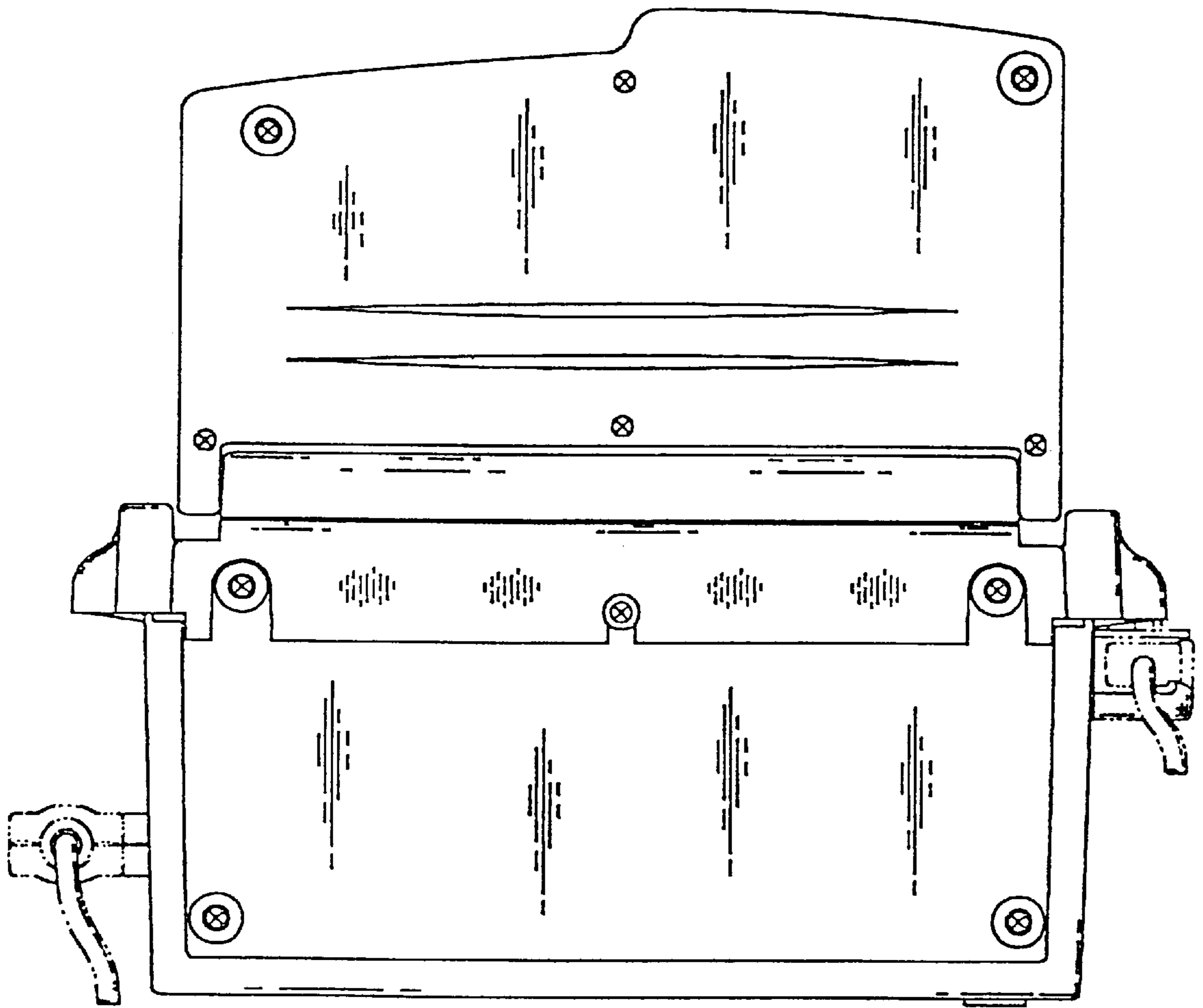


Fig. 13

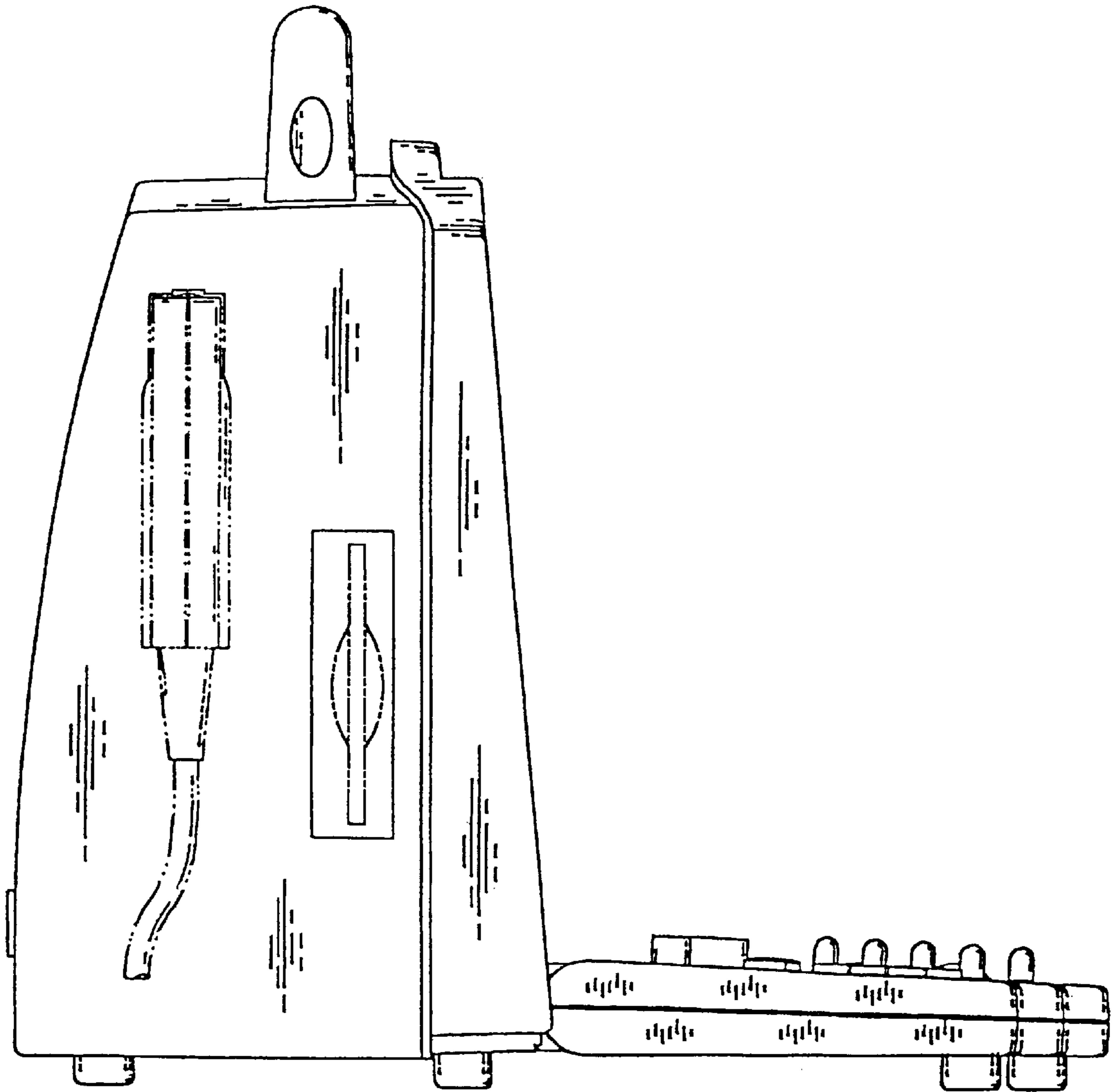


Fig. 14

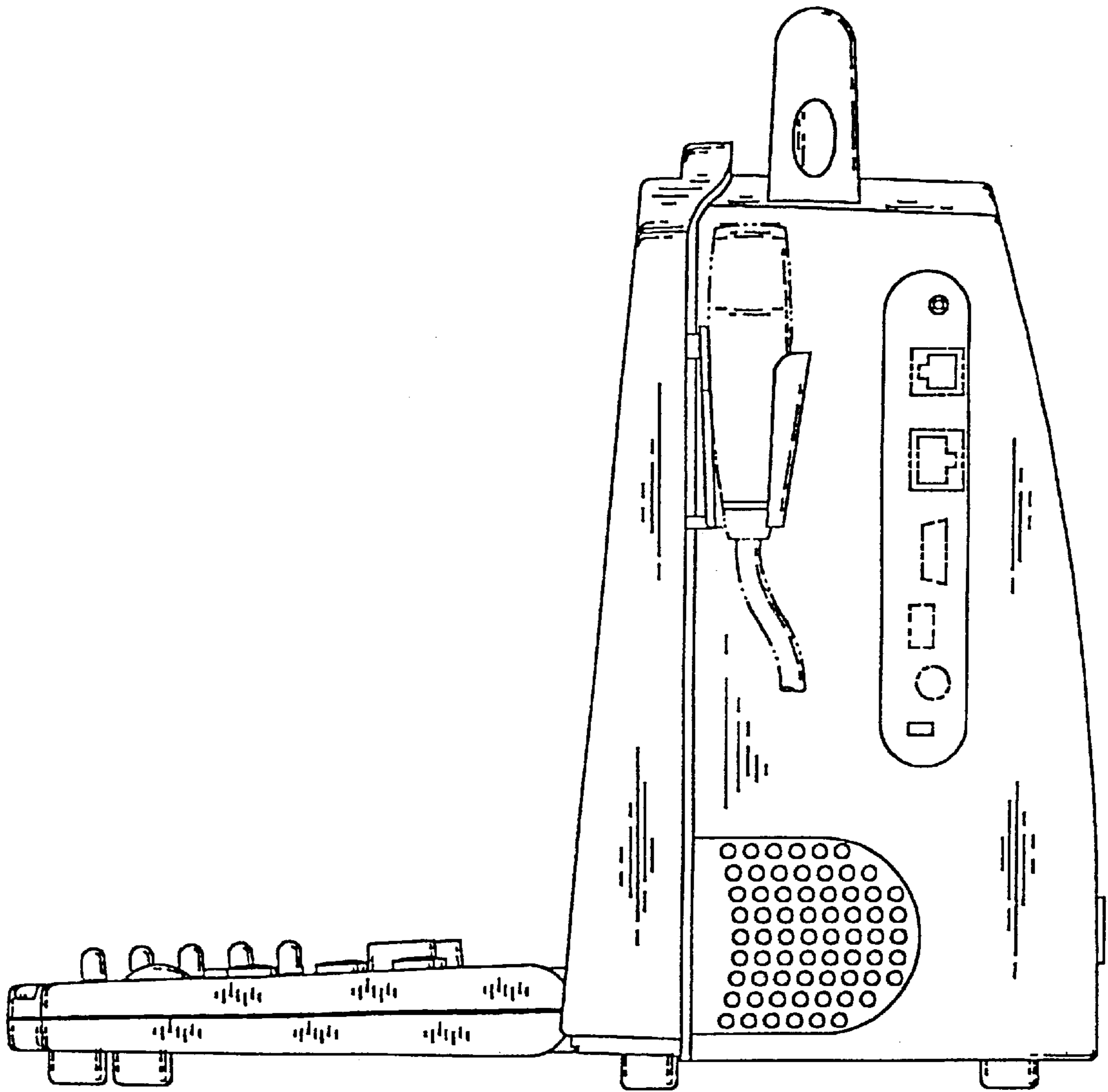


Fig. 15