



US00D456404S

(12) **United States Design Patent** (10) **Patent No.:** **US D456,404 S**
Small et al. (45) **Date of Patent:** **** Apr. 30, 2002**

(54) **CARTRIDGE LIBRARY**

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(73) Assignee: **Exabye Corporation**, Boulder, CO (US)

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

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(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/364**

(58) **Field of Search** D14/356, 363, D14/364, 368; D13/162, 184, 199; 360/92, 99.01–99.12; 369/34, 36; 361/690–694, 696; 713/2; 211/41.12

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,833,807	A	9/1974	Takeda	
4,754,397	A	6/1988	Varaiya et al.	
4,869,591	A	9/1989	MacGregor	
4,908,715	A	3/1990	Krum et al.	
4,918,548	A	4/1990	O'Donnell et al.	
4,972,277	A	11/1990	Sills et al.	
4,984,106	A	1/1991	Herger et al.	
5,021,902	A	6/1991	Ishikawa et al.	
5,059,772	A	10/1991	Younglove et al.	
5,103,986	A	4/1992	Marlowe	
5,184,260	A	2/1993	Pierrat	
D333,817	S *	3/1993	Marotti	D14/364
5,237,467	A	8/1993	Marlowe	
5,303,214	A *	4/1994	Kulakowski et al.	369/34
D349,695	S *	8/1994	Aaker et al.	D14/364
5,373,489	A	12/1994	Sato et al.	
D356,302	S *	3/1995	Studebaker et al.	D14/364
5,402,283	A	3/1995	Yamakawa et al.	
5,414,519	A	5/1995	Han	
5,416,653	A	5/1995	Marlowe	

5,469,310	A	11/1995	Slocum et al.
5,487,579	A	1/1996	Woodruff et al.
5,498,116	A	3/1996	Woodruff et al.
5,502,697	A	3/1996	Taki
5,512,761	A	4/1996	Winkelmann
5,555,143	A	9/1996	Hinnen et al.

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

JP 60-225002 A 11/1985

OTHER PUBLICATIONS

U.S. application No. 08/970,205, entitled "Cartridge Library with Cartridge Loader Mounted on Moveable Drive Assembly".

U.S. application No. 09/121,541, entitled "Cartridge Library and Method of Operation".

U.S. application No. 09/121,819, entitled "Cartridge Library and Method of Operation".

(List continued on next page.)

Primary Examiner—Freda Nunn

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(57) **CLAIM**

The ornamental design for a cartridge library, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a cartridge library showing our new design;

FIG. 2 is a front view thereof shown enlarged for ease of illustration;

FIG. 3 is a left side view thereof;

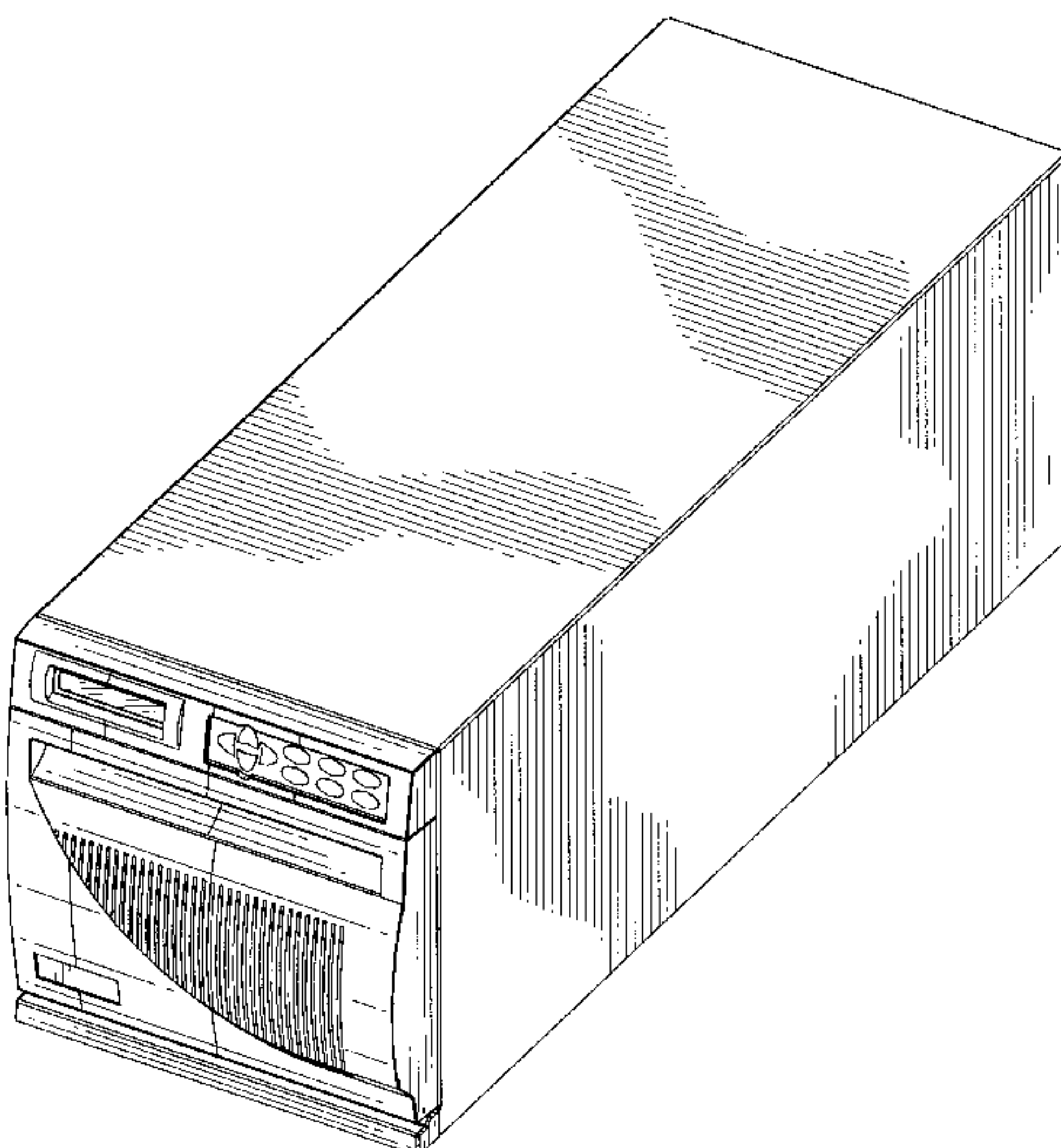
FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof; and,

FIG. 7 is a rear view thereof shown enlarged for ease of illustration.

1 Claim, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

5,659,440	A	8/1997	Acosta et al.	
5,661,287	A	8/1997	Schaefer et al.	
5,718,339	A	2/1998	Woodruff et al.	
5,739,978	A	4/1998	Ellis et al.	
5,856,894	A *	1/1999	Marlowe	360/92
6,005,745	A	12/1999	Filkins et al.	
6,008,964	A	12/1999	Goodknight et al.	
6,031,798	A *	2/2000	James et al.	369/34
6,034,928	A *	3/2000	Inoue	369/36
6,144,521	A	11/2000	Egan et al.	
6,175,462	B1	1/2001	Schneider et al.	

OTHER PUBLICATIONS

U.S. application No. 09/121,817, entitled “Drive Carrier and Cartridge Library Employing Same”.

U.S. application No. 09/708,433, entitled “Cartridge Library”.

U.S. application No. 09/708,739, entitled “Cartridge Over-insertion Protection for Cartridge Library”.

U.S. application No. 09/708,432, entitled “Cartridge Picker Robot with Ribbon Cable for Cartridge Library”.

U.S. application No. 29/132,407, entitled “Magazine for Data Cartridges”.

U.S. application No. 09/708,451, entitled “Adjustable Mounting for Barcode Reader with Backlash Prevention”.

* cited by examiner

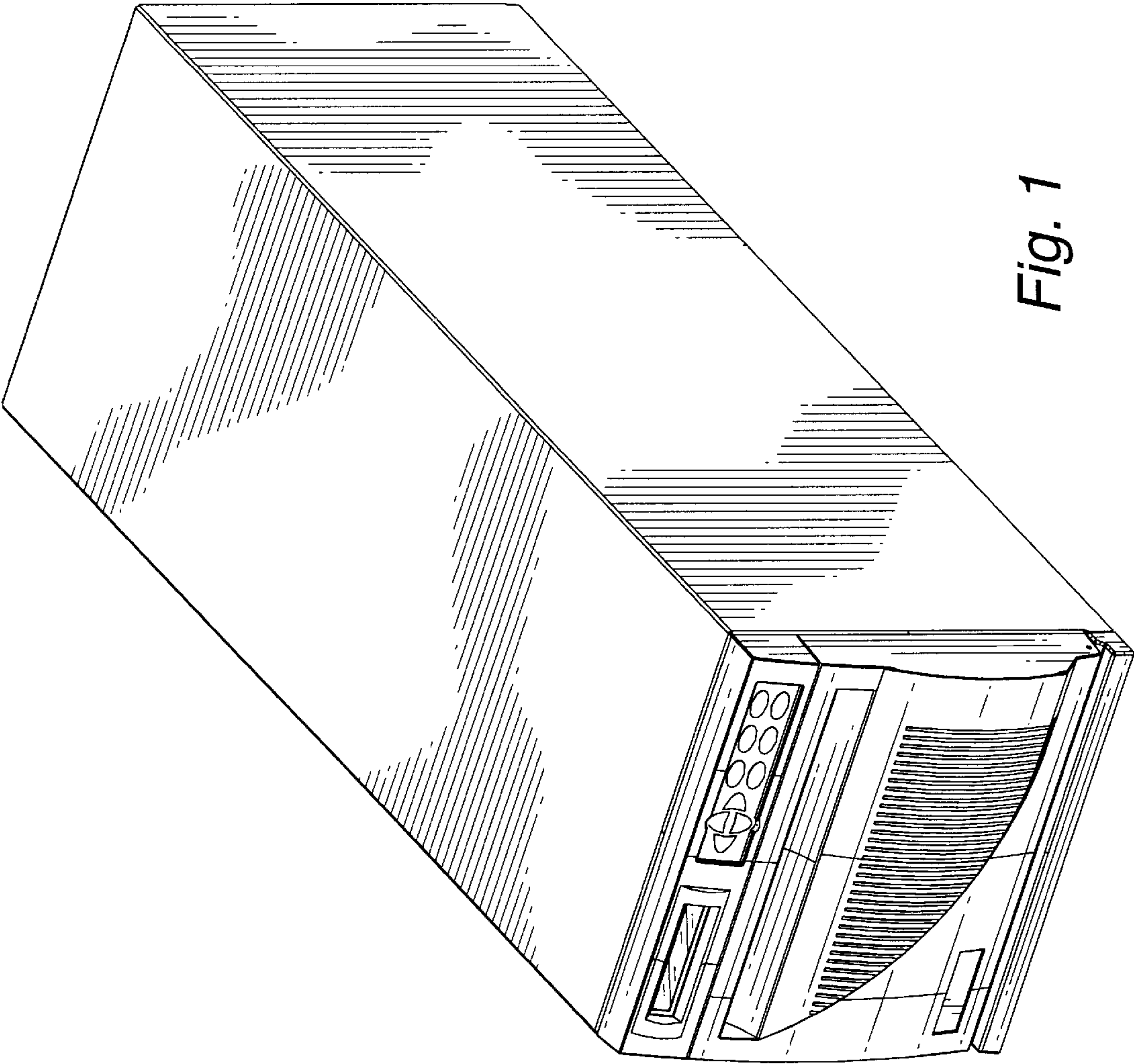


Fig. 1

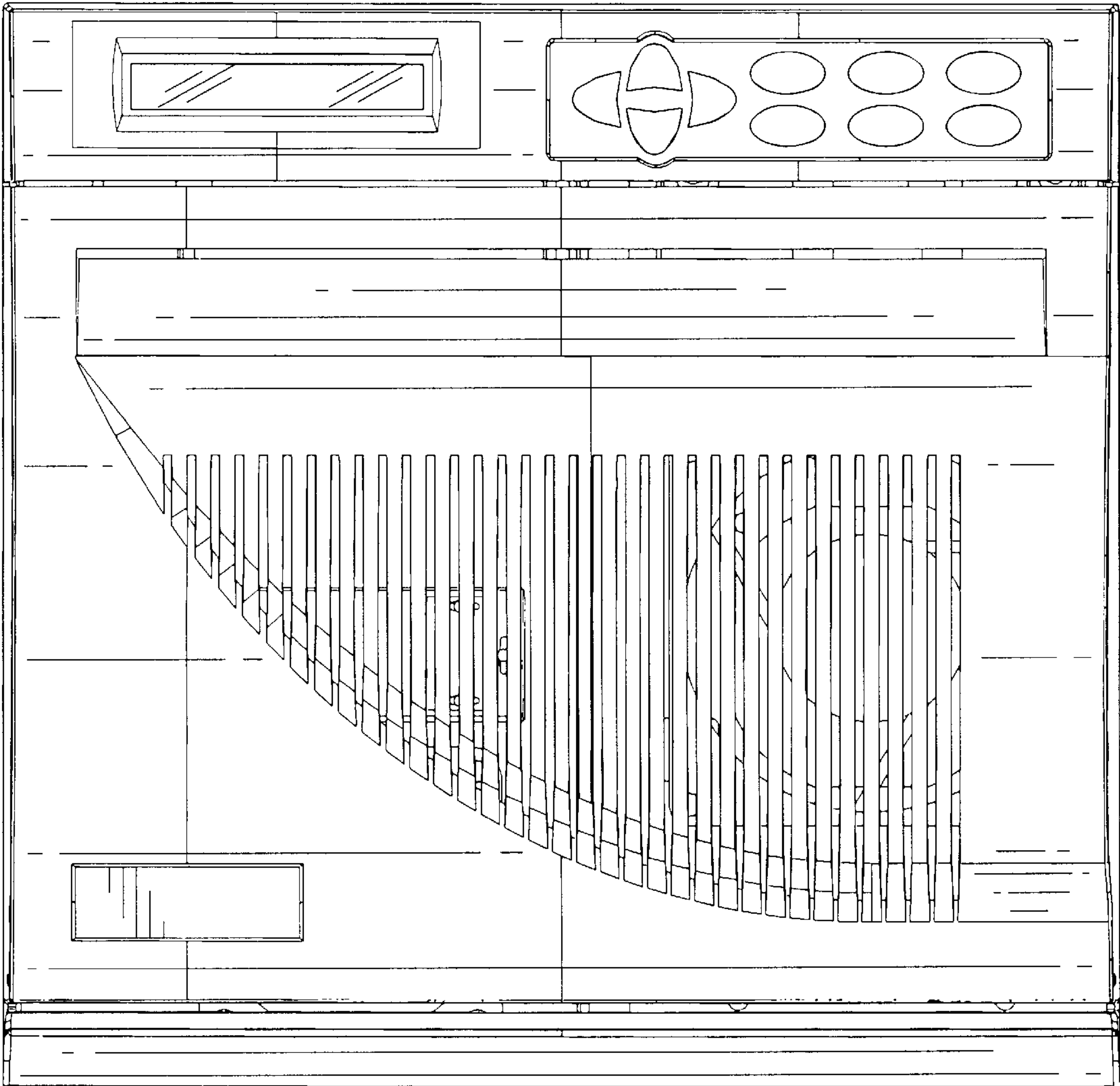


Fig. 2

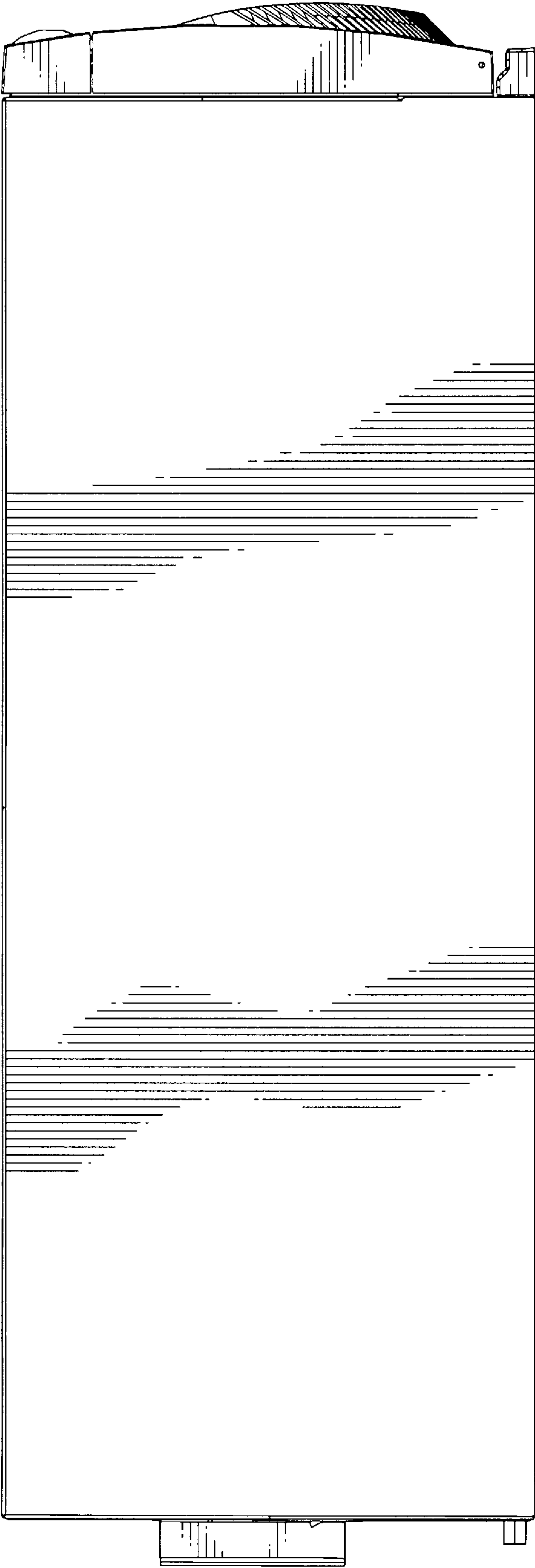


Fig. 3

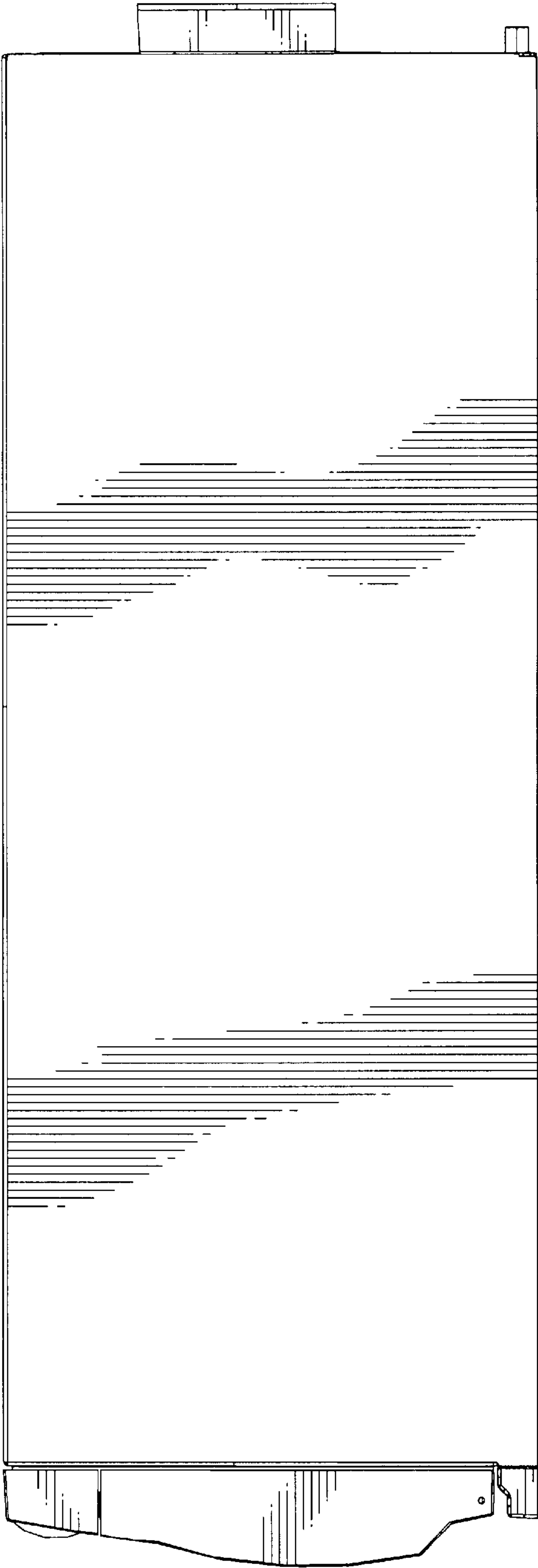


Fig. 4

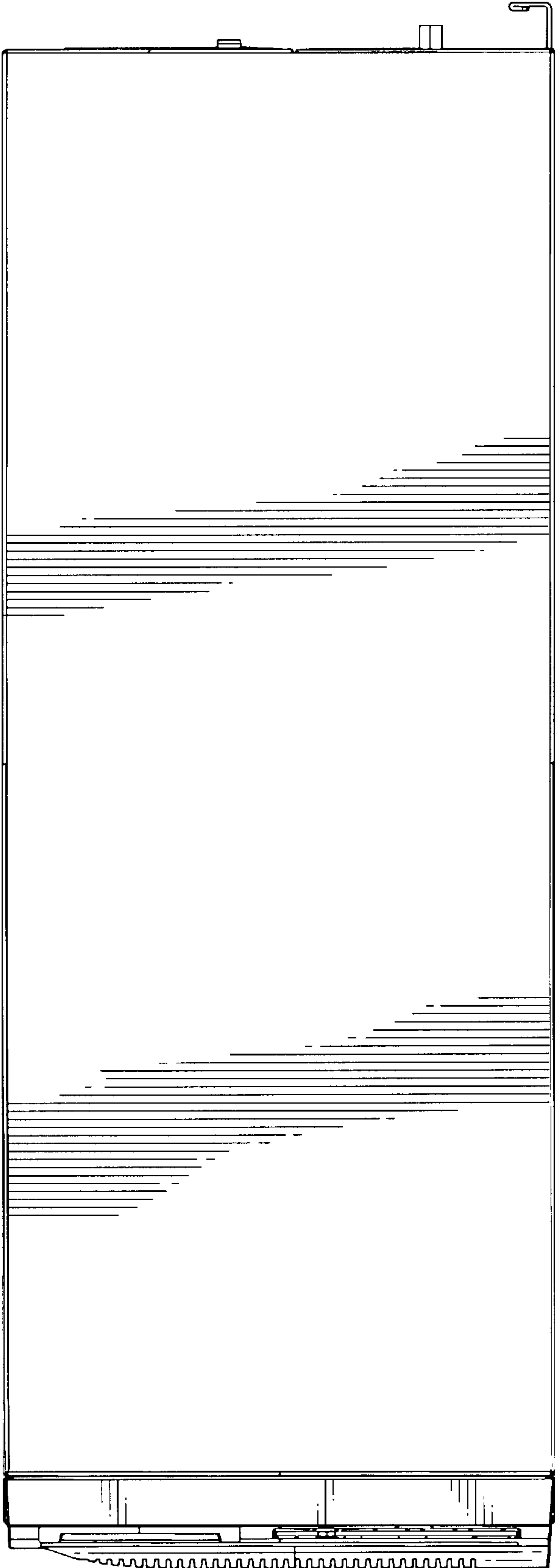


Fig. 5

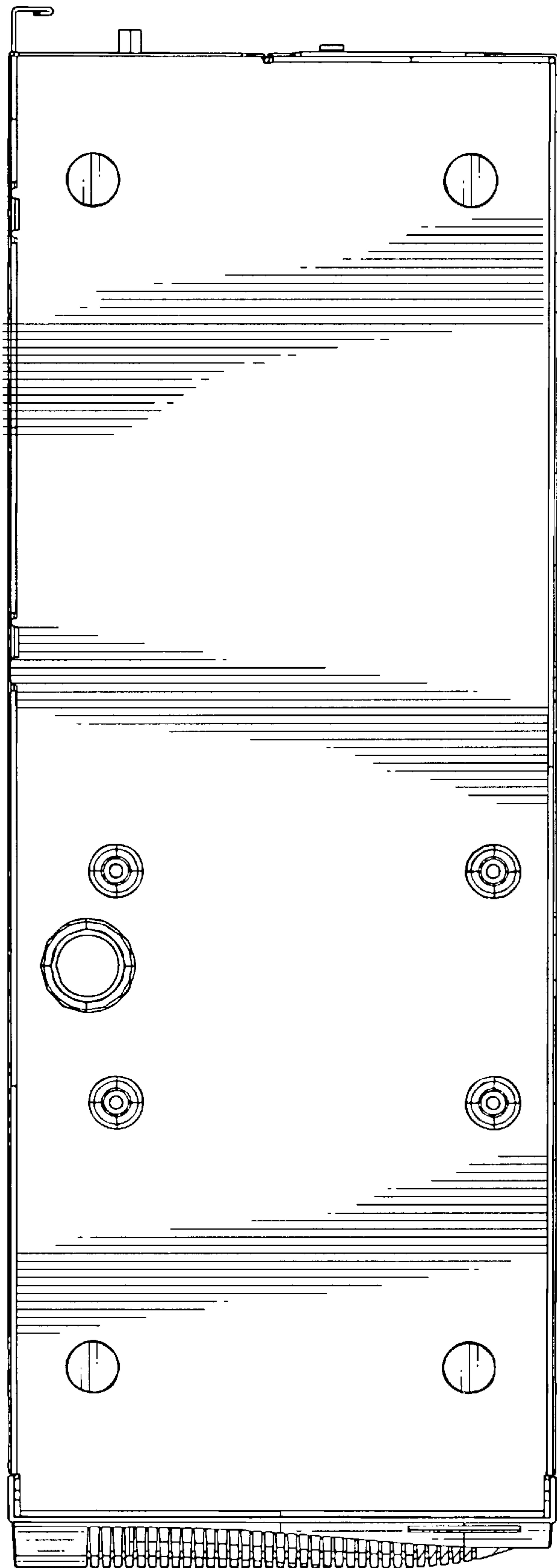


Fig. 6

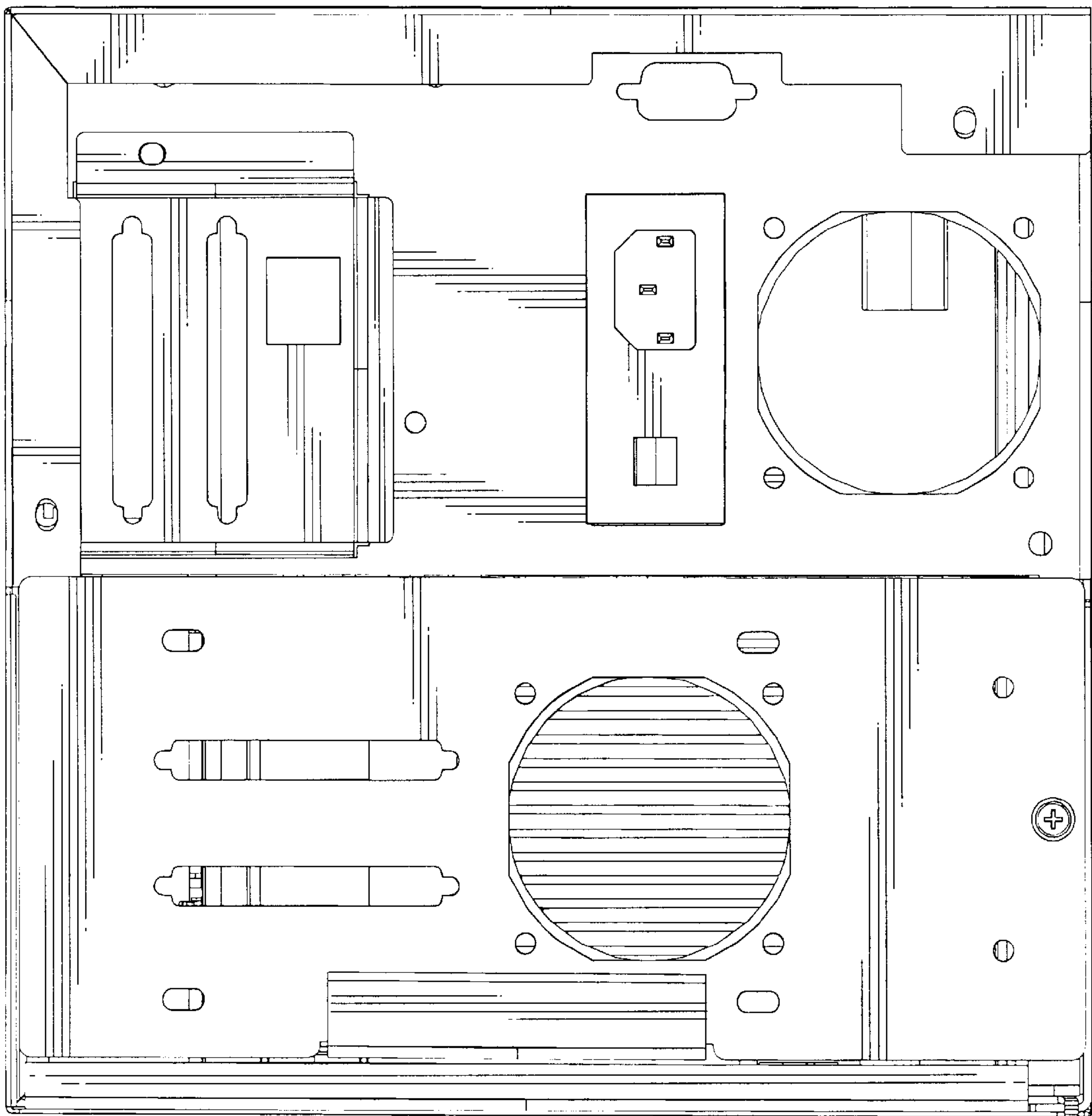


Fig. 7