



US00D606197S

(12) **United States Design Patent**  
**Collins et al.**

(10) **Patent No.:** **US D606,197 S**

(45) **Date of Patent:** **\*\* \*Dec. 15, 2009**

(54) **BLOOD PUMP CASSETTE, AIR TRAP AND FRONT PANEL ASSEMBLY FOR A PORTABLE HEMODIALYSIS SYSTEM**

(75) Inventors: **David E. Collins**, Manchester, NH (US);  
**Jared Farlow**, Manchester, NH (US);  
**Kevin L. Grant**, Litchfield, NH (US);  
**James D. Dale**, Nashua, NH (US); **Jason A. Demers**, Manchester, NH (US);  
**Michael J. Wilt**, Windham, NH (US);  
**Brian Tracey**, Litchfield, NH (US)

(73) Assignee: **DEKA Products Limited Partnership**,  
Manchester, NH (US)

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

(21) Appl. No.: **29/323,523**

(22) Filed: **Aug. 27, 2008**

(51) **LOC (9) Cl.** ..... **24-02**

(52) **U.S. Cl.** ..... **D24/169; D24/111**

(58) **Field of Classification Search** ..... D24/111,  
D24/127-129, 133, 135, 138, 140, 145, 169,  
D24/191, 216-217, 223-225, 227; D10/30-32,  
D10/38, 57, 70, 78, 81, 98, 104; 606/87-88,  
606/96, 102-103, 142, 151, 157-158, 213;  
600/229; 417/395; 604/5.04, 6.01, 6.07-6.08;  
210/175, 246

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D271,801 S \* 12/1983 Preussner ..... D24/169  
4,479,761 A \* 10/1984 Bilstad et al. .... 417/395  
4,479,762 A \* 10/1984 Bilstad et al. .... 417/395  
4,637,813 A \* 1/1987 DeVries ..... 604/6.01

(Continued)

*Primary Examiner*—Philip S Hyder

*Assistant Examiner*—Susan E Krakower

(74) *Attorney, Agent, or Firm*—Wolf, Greenfield & Sacks,  
P.C.

(57) **CLAIM**

The ornamental design for a blood pump cassette, air trap and front panel assembly for a portable hemodialysis system, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, elevational view of a blood pump cassette, air trap and front panel assembly for a portable hemodialysis system;

FIG. 2 is an enlarged view of a portion of FIG. 1;

FIG. 3 is a front, left side perspective view of a front panel assembly in its environment, for a portable hemodialysis system;

FIG. 4 is an enlarged view of a portion of FIG. 3;

FIG. 5 is a front, right side perspective view of a front panel assembly in its environment, for a portable hemodialysis system;

FIG. 6 is an enlarged view of a portion of FIG. 5;

FIG. 7 is a left side elevational view of a front panel assembly in its environment, for a portable hemodialysis system;

FIG. 8 is an enlarged view of a portion of FIG. 7;

FIG. 9 is a right side elevational view of a front panel assembly in its environment, for a portable hemodialysis system;

FIG. 10 is an enlarged view of a portion of FIG. 9;

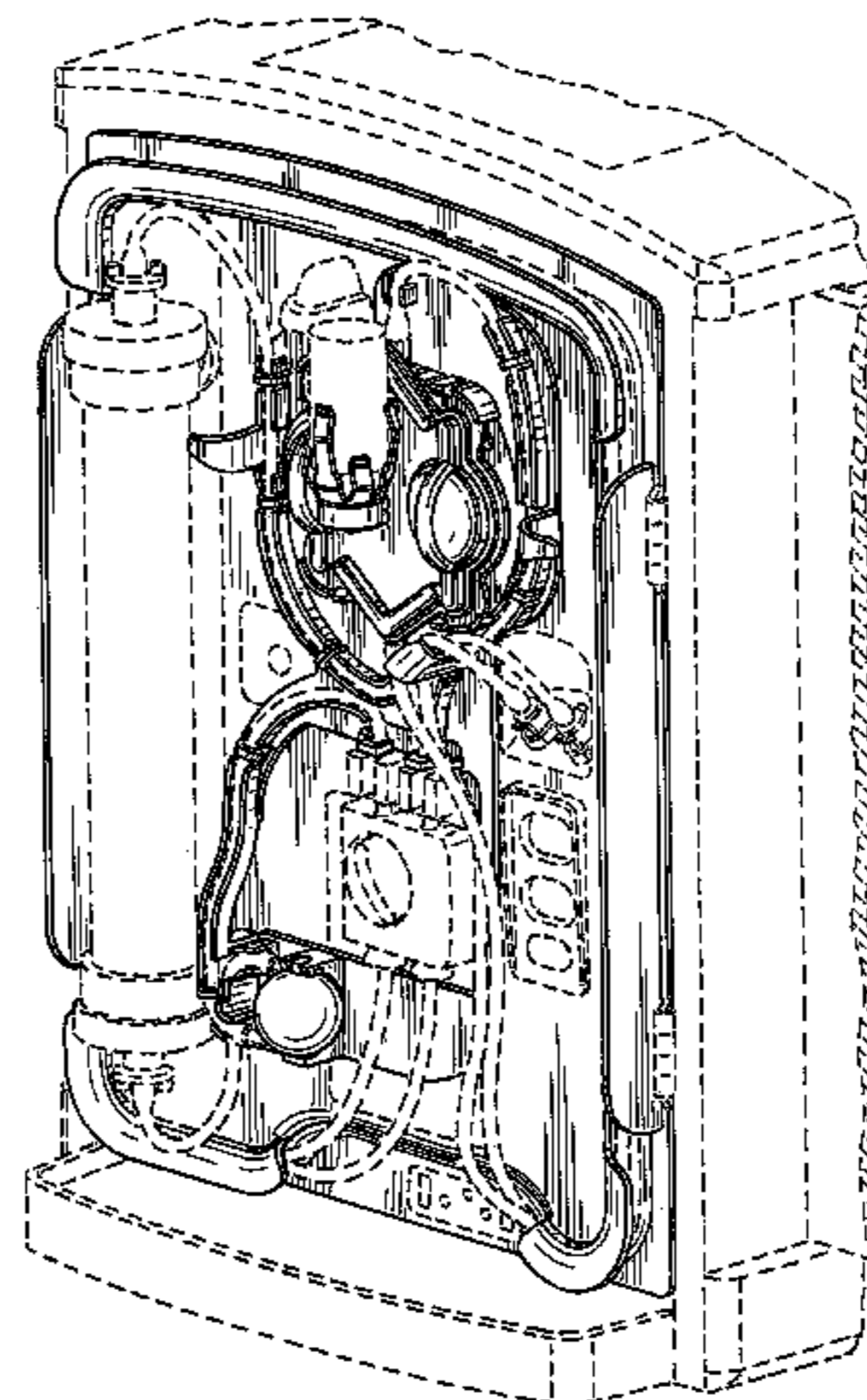
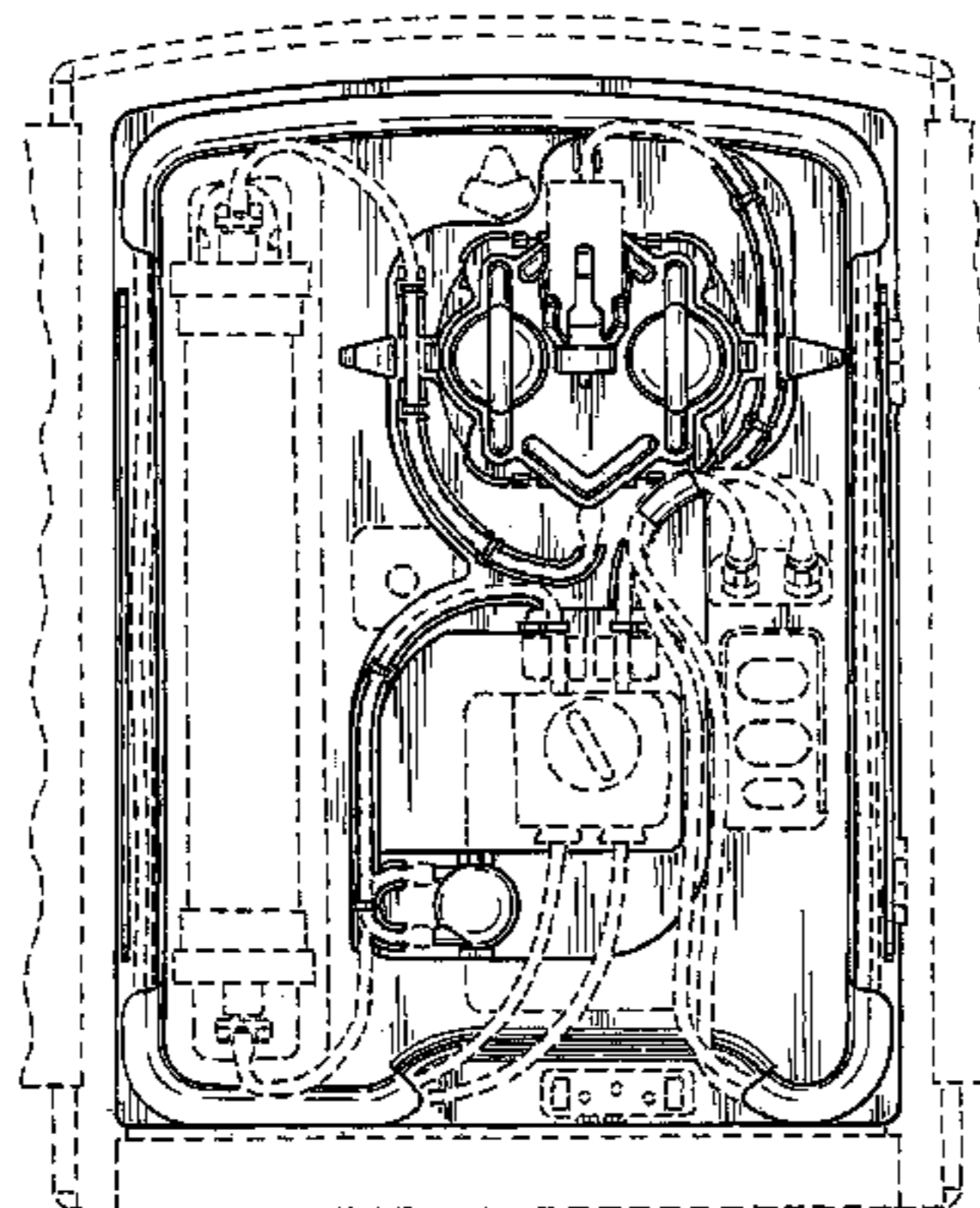
FIG. 11 is a top plan view, the bottom view being plain and need not be considered, of a front panel assembly in its environment, for a portable hemodialysis system; and,

FIG. 12 is an enlarged view of a portion of FIG. 11.

Only the portion of the blood pump cassette, air trap and front panel assembly in solid lines is claimed. Any portion of the figures shown in dashed line forms no part of the claimed invention.

The broken lines illustrate environmental structure and portions of the blood pump cassette, air trap and front panel assembly for a portable hemodialysis system which form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



# US D606,197 S

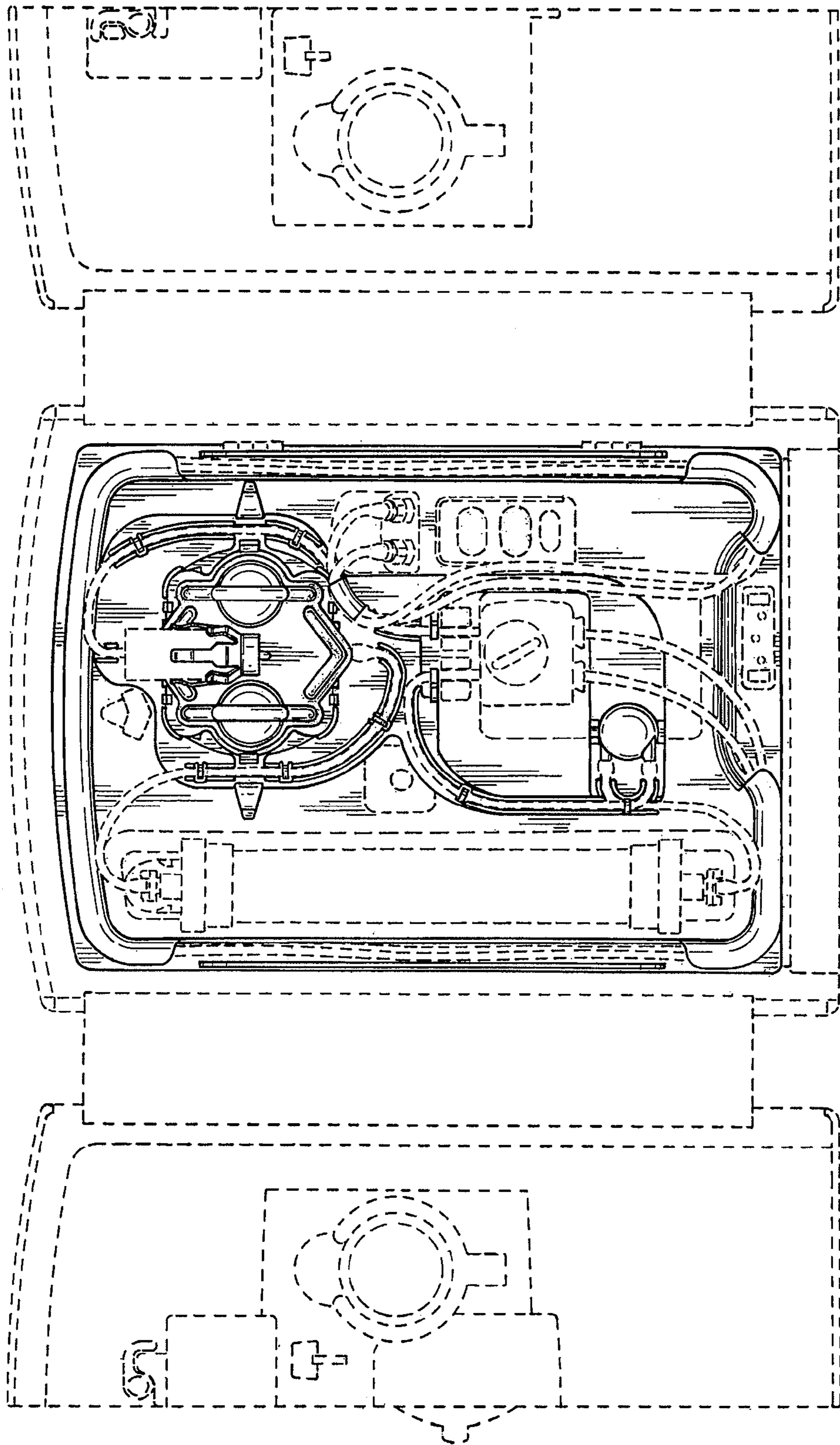
Page 2

---

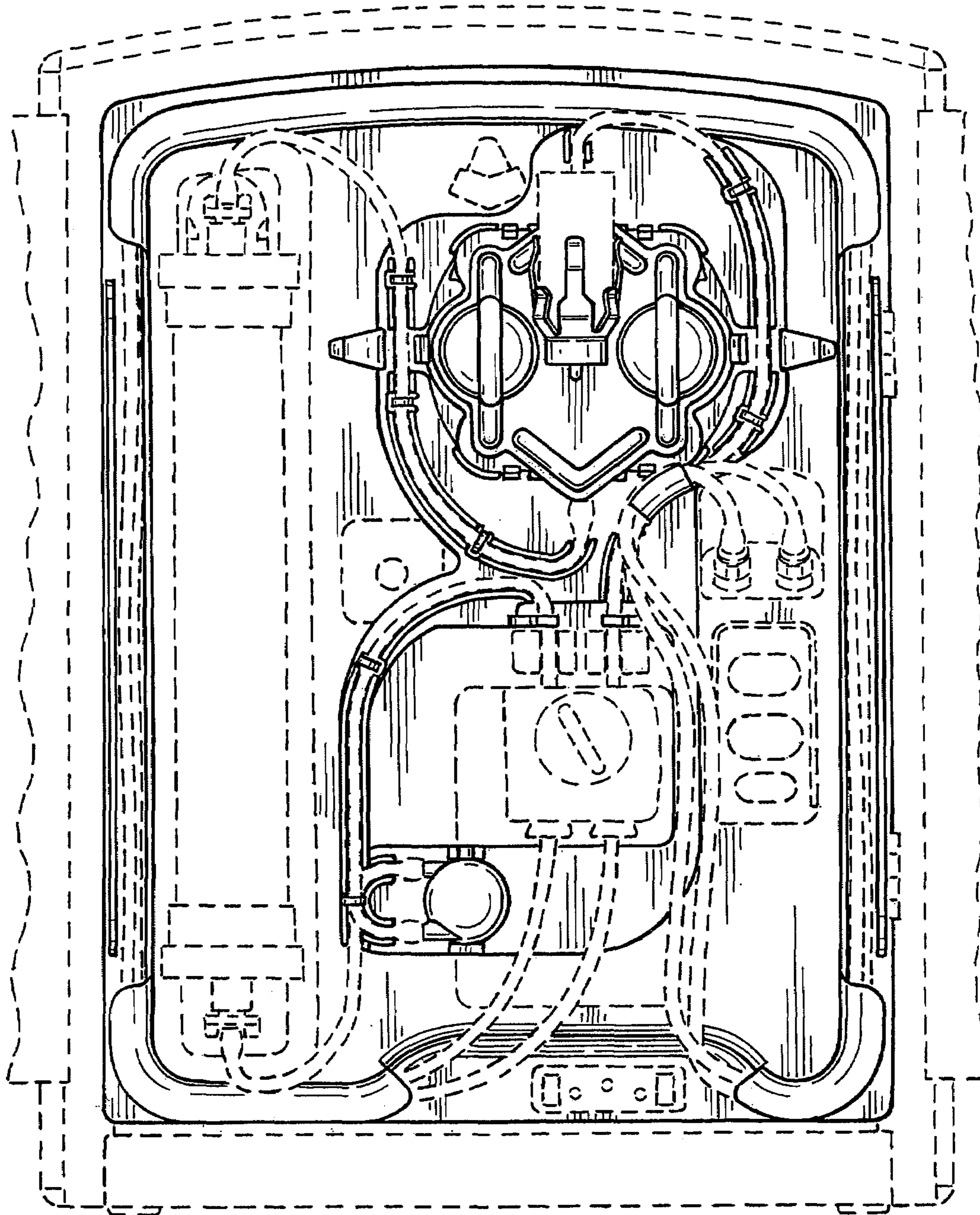
## U.S. PATENT DOCUMENTS

D299,533 S *	1/1989	Blanco .....	D24/169	2007/0258856 A1*	11/2007	Olsen et al. ....	422/45
D350,823 S *	9/1994	Lanigan .....	D24/111	2008/0058697 A1	3/2008	Kamen et al.	
D471,640 S *	3/2003	McMichael et al. ....	D24/229	2008/0175719 A1	7/2008	Tracey et al.	
6,811,749 B2 *	11/2004	Lindsay .....	422/45	2008/0208103 A1	8/2008	Demers et al.	
D556,909 S *	12/2007	Reihanifam et al. ....	D24/169	2009/0008331 A1	1/2009	Wilt et al.	
D579,553 S *	10/2008	Crnkovich et al. ....	D24/111	2009/0105629 A1*	4/2009	Grant et al. ....	604/5.04
7,465,285 B2 *	12/2008	Hutchinson et al. ....	604/6.08	2009/0107335 A1	4/2009	Wilt et al.	
2002/0009386 A1*	1/2002	Lindsay .....	422/45	2009/0114582 A1*	5/2009	Grant et al. ....	210/175
2007/0253463 A1	11/2007	Perry et al.					

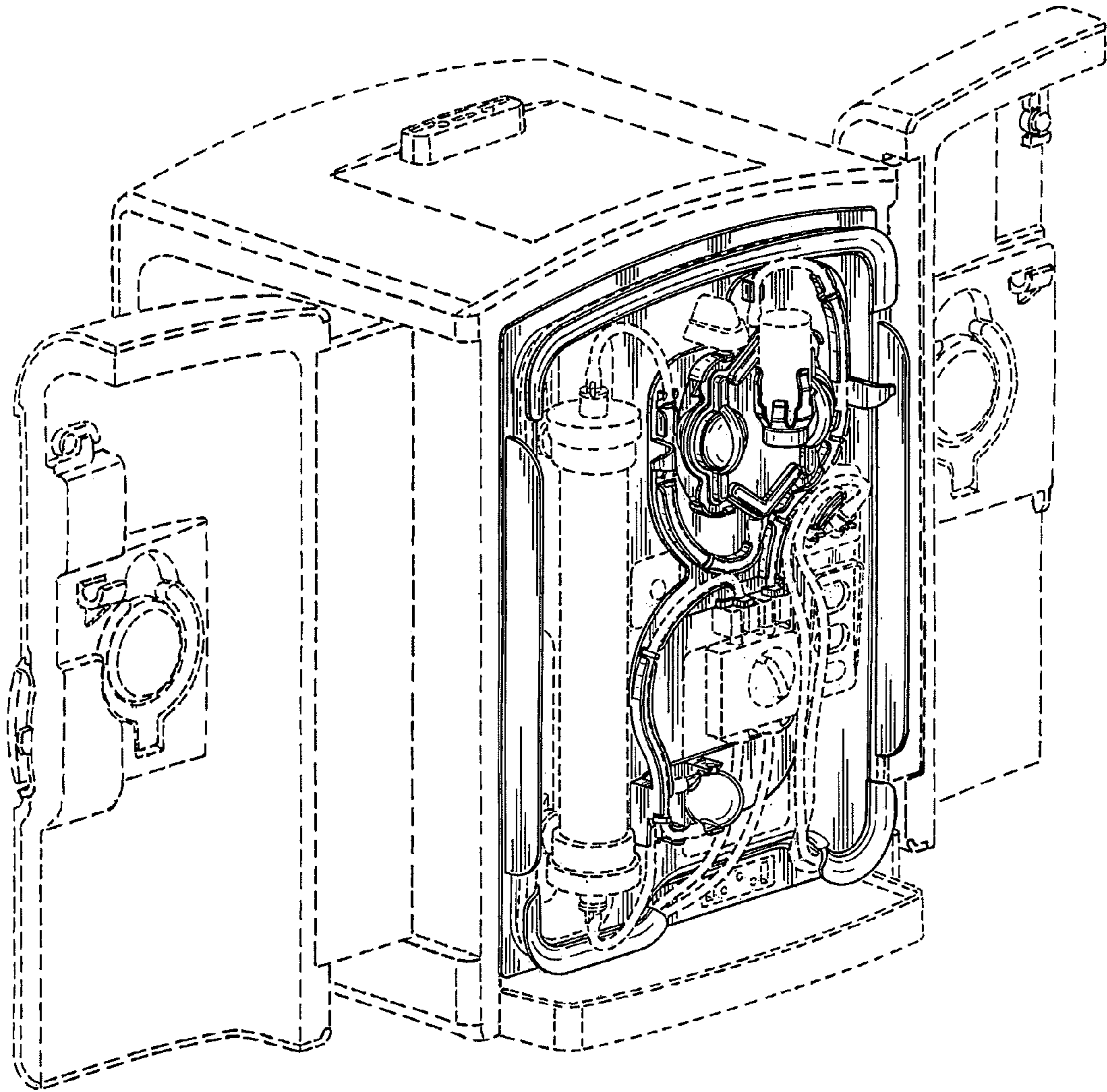
\* cited by examiner



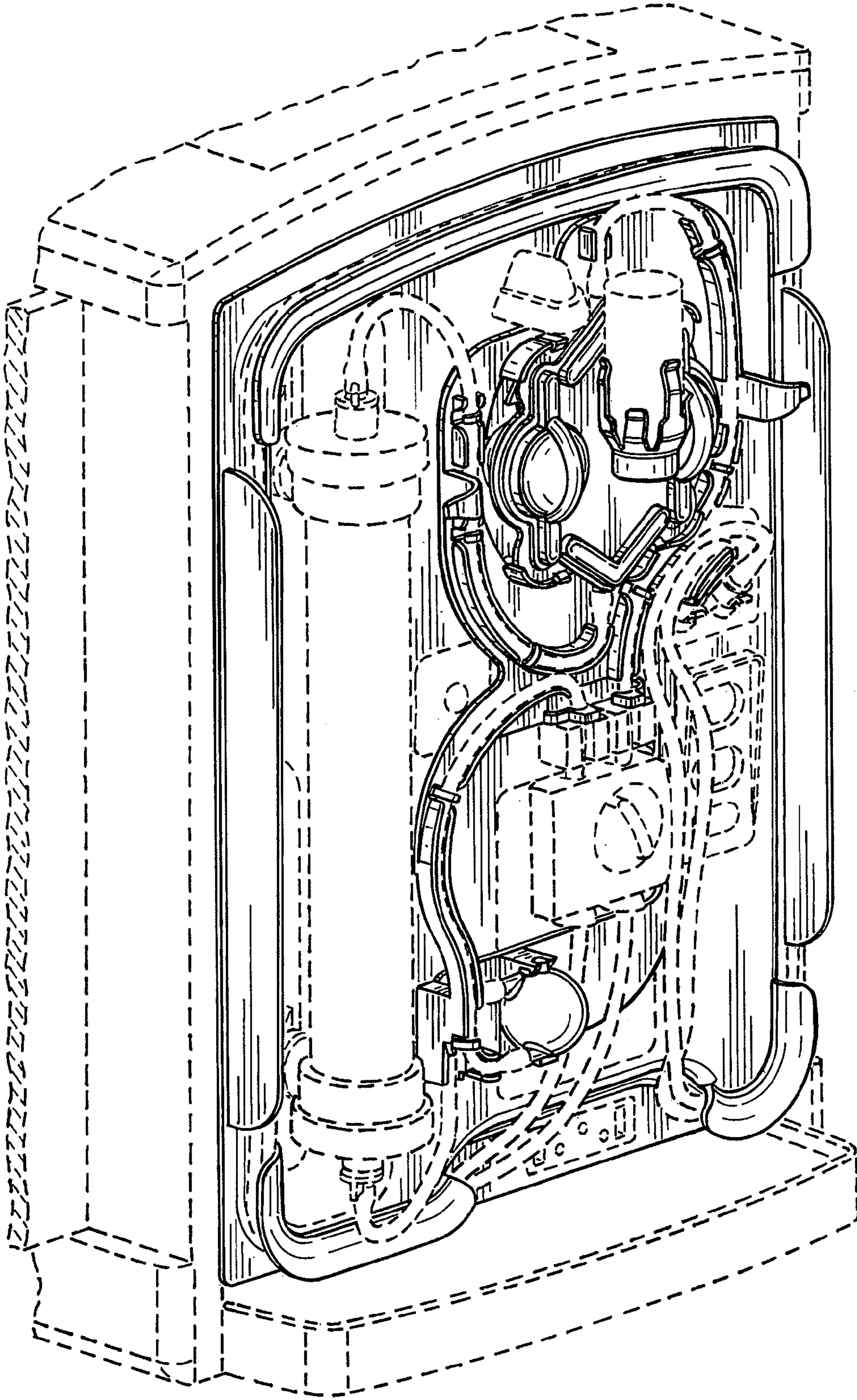
*Fig. 1*



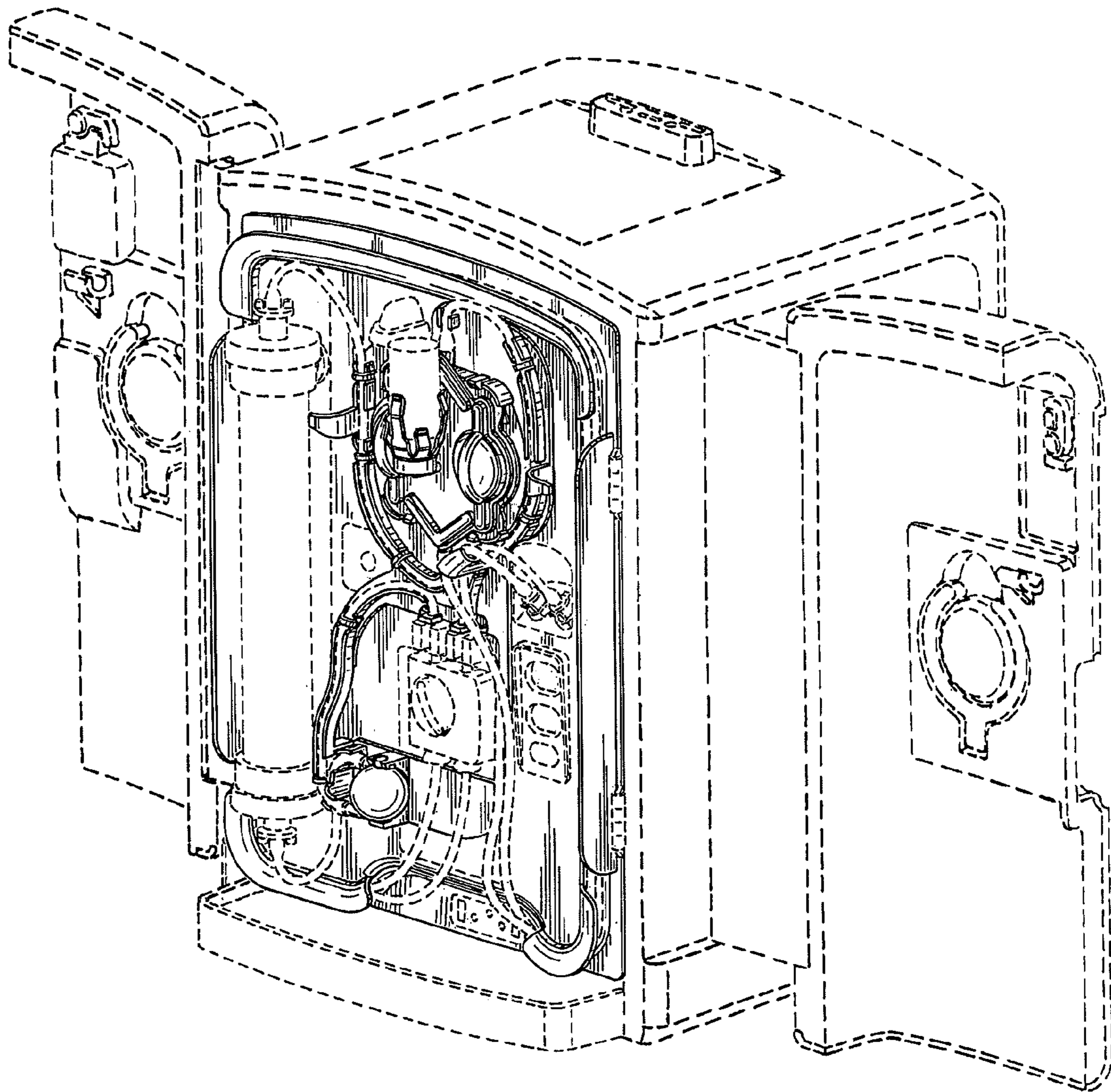
*Fig. 2*



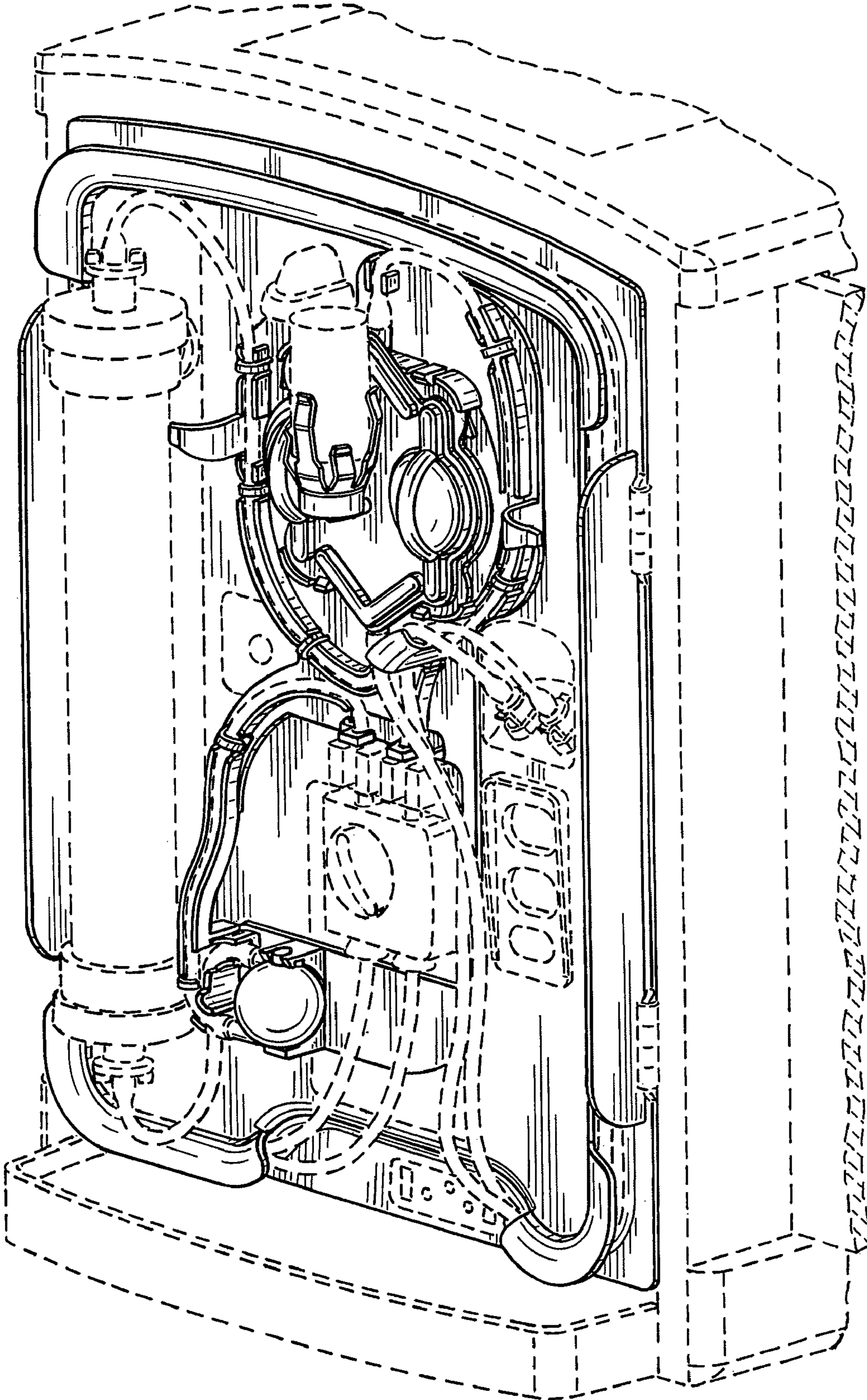
*Fig. 3*



*Fig. 4*

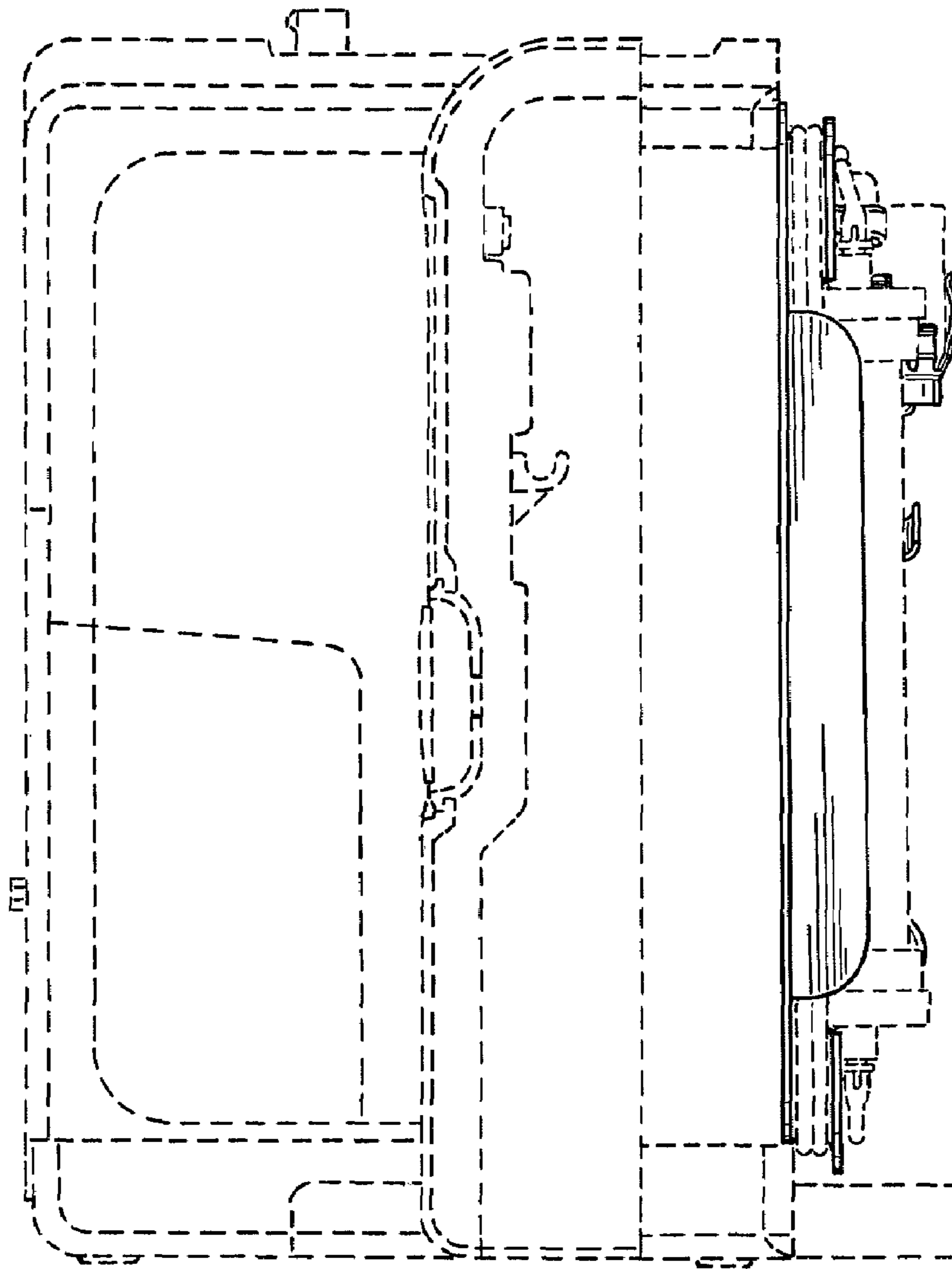


*Fig. 5*

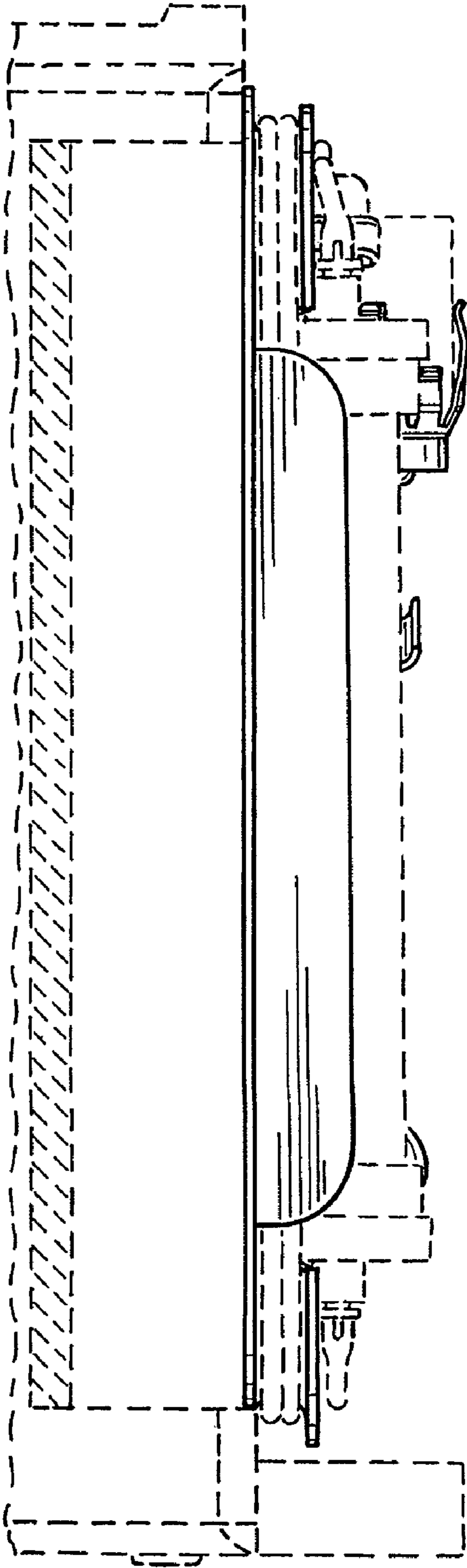


*Fig. 6*

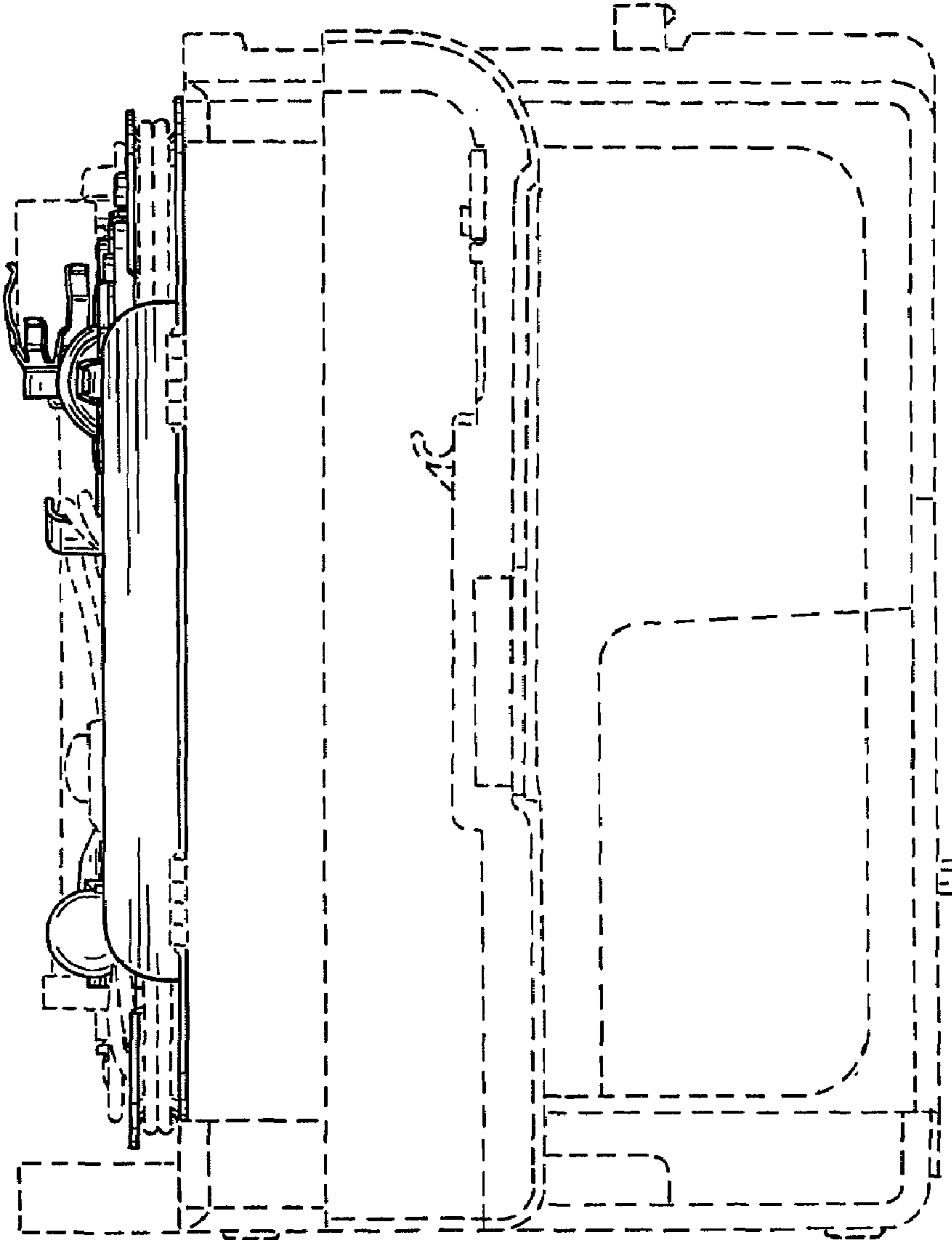




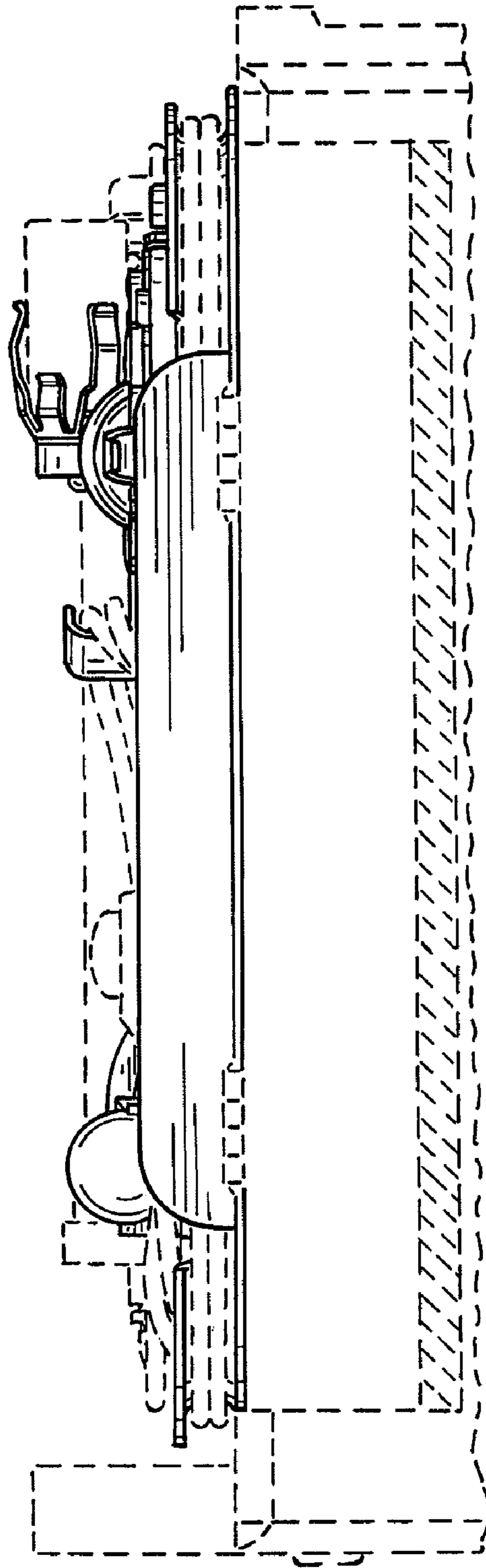
*Fig. 7*



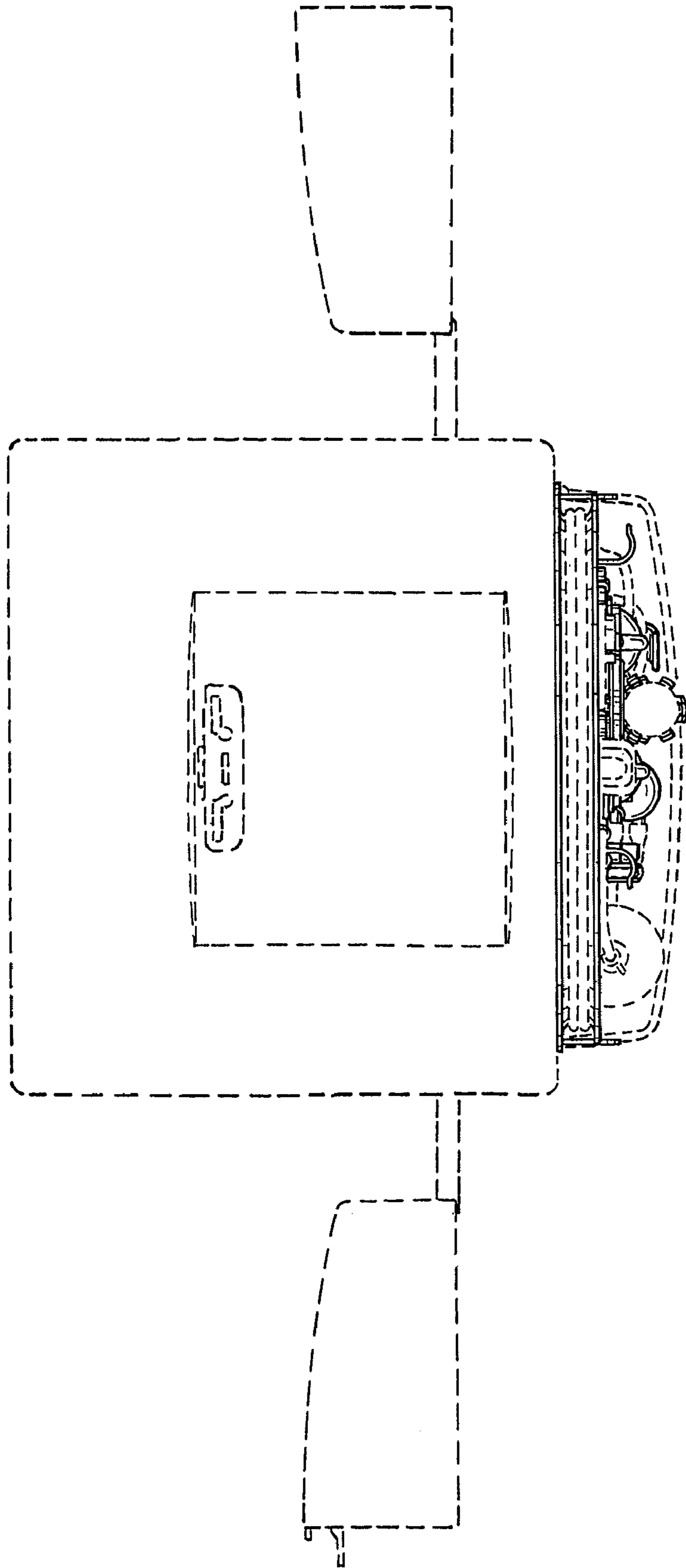
*Fig. 8*



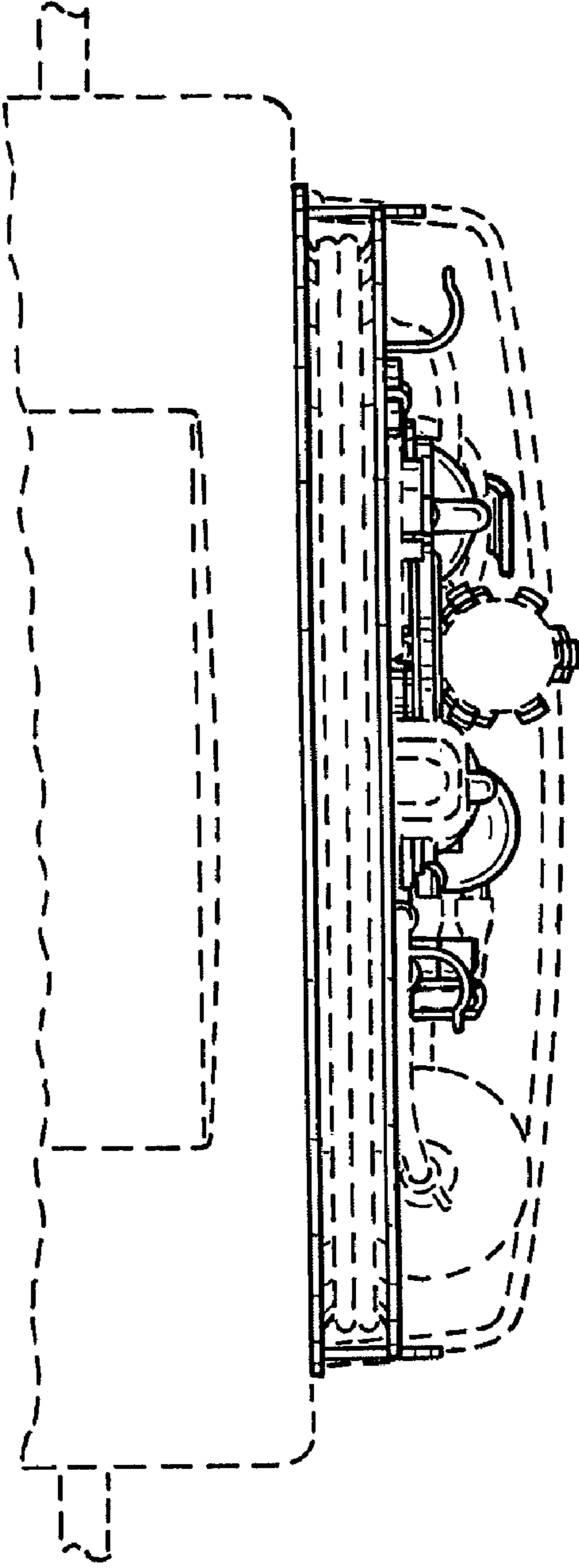
*Fig. 9*



*Fig. 10*



*Fig. 11*



*Fig. 12*