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

(10) **Patent No.:** **US D641,698 S**  
(45) **Date of Patent:** **\*\* Jul. 19, 2011**

(54) **MOTOR ASSEMBLY WITH MOTOR  
MODULE, CONTROL UNIT, BATTERY UNIT  
AND MOTOR OPERATOR**

**DESCRIPTION**

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

(21) Appl. No.: **29/300,698**

(22) Filed: **Apr. 28, 2008**

(30) **Foreign Application Priority Data**

Oct. 31, 2007 (DK) ..... DA 2007 00255

(51) **LOC (9) Cl.** ..... **13-01**

(52) **U.S. Cl.** ..... **D13/112**

(58) **Field of Classification Search** ..... D13/112,  
D13/101, 103, 110, 118, 119, 122, 158, 162,  
D13/164, 184, 199; D15/143, 148, 149,  
D15/199; 74/89, 103, 625; 254/103; 307/112,  
307/115, 116, 119, 125; 310/20, 23, 27,  
310/36, 12.01, 80; 361/600, 603, 605  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D137,967 S \* 5/1944 Lear ..... D13/112  
D140,204 S \* 1/1945 Lear ..... D13/112  
D215,495 S \* 10/1969 Neuhausen et al. .... D13/112  
D287,715 S \* 1/1987 Pittman et al. .... D13/112  
D315,144 S \* 3/1991 Dard et al. .... D13/162  
D327,051 S \* 6/1992 Schwartz ..... D13/118  
5,354,960 A \* 10/1994 Erickson ..... 200/400

(Continued)

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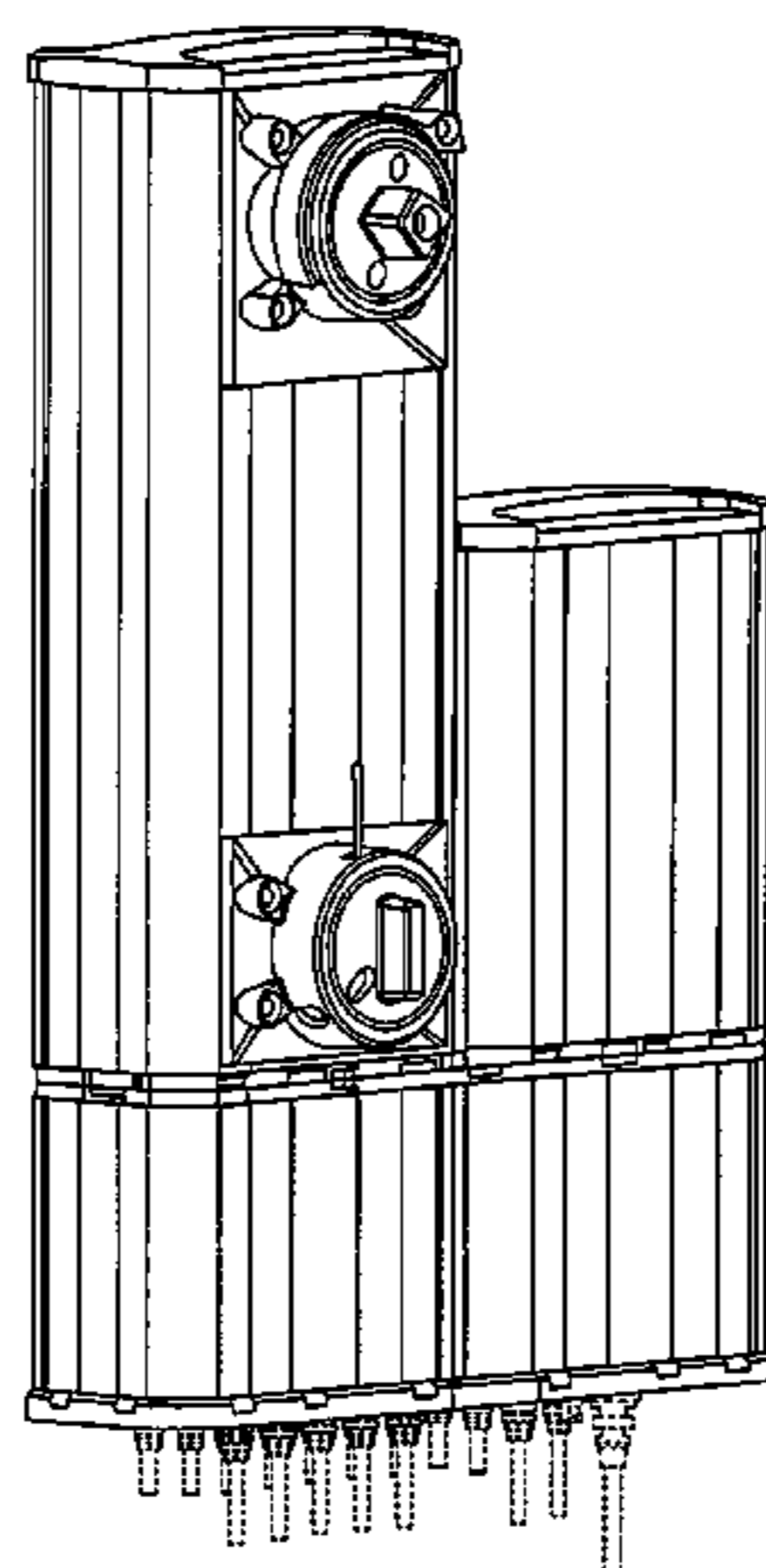
(57) **CLAIM**

The ornamental design for a motor assembly with motor module, control unit, battery unit and motor operator, as shown and described.

FIG. 1 is a perspective front view of a motor assembly with motor module, control unit, battery unit, and motor operator according to our ornamental design,  
FIG. 2 is a perspective rear view thereof,  
FIG. 3 is an elevational right side view thereof,  
FIG. 4 is an elevational rear view thereof,  
FIG. 5 is an elevational left side view thereof,  
FIG. 6 is an elevational front view thereof,  
FIG. 7 is a bottom plan view thereof, and  
FIG. 8 is a top plan view thereof,  
FIG. 9 is a perspective front view of the motor module,  
FIG. 10 is a perspective rear view thereof,  
FIG. 11 is an elevational right side view thereof,  
FIG. 12 is an elevational rear view thereof,  
FIG. 13 is an elevational left side view thereof,  
FIG. 14 is an elevational front view thereof;  
FIG. 15 is a bottom plan view thereof, and  
FIG. 16 is a top plan view thereof,  
FIG. 17 is a perspective front view of the control unit,  
FIG. 18 is a perspective rear view thereof,  
FIG. 19 is an elevational right side view thereof,  
FIG. 20 is an elevational rear view thereof,  
FIG. 21 is an elevational left side view thereof,  
FIG. 22 is an elevational front view thereof,  
FIG. 23 is a bottom plan view thereof, and  
FIG. 24 is a top plan view thereof,  
FIG. 25 is a perspective front view of the battery unit,  
FIG. 26 is a perspective rear view thereof,  
FIG. 27 is an elevational right side view thereof,  
FIG. 28 is an elevational rear view thereof,  
FIG. 29 is an elevational left side view thereof,  
FIG. 30 is an elevational front view thereof,  
FIG. 31 is a bottom plan view thereof; and  
FIG. 32 is a top plan view thereof.

The broken lines shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



# US D641,698 S

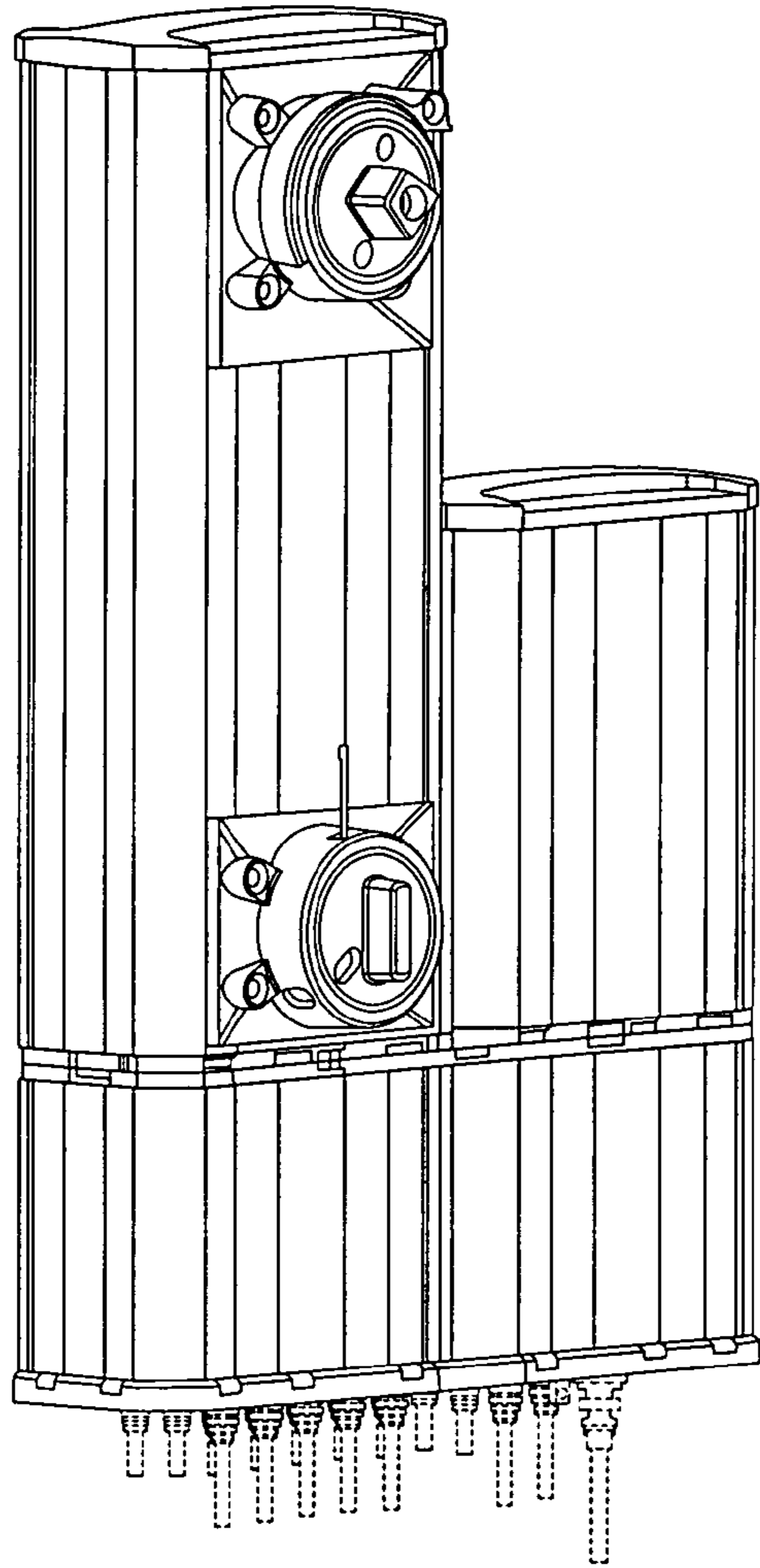
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## U.S. PATENT DOCUMENTS

D365,352	S	*	12/1995	Miyamoto et al. ....	D15/143	D407,694	S	*	4/1999	Hill et al. ....	D13/162
D367,267	S	*	2/1996	McGlone et al. ....	D13/164	D457,493	S	*	5/2002	Borges ....	D13/112
5,695,046	A	*	12/1997	Turner et al. ....	200/330	D457,858	S	*	5/2002	Lee ....	D13/110
D394,842	S	*	6/1998	Kellstedt et al. ....	D13/162	D523,880	S	*	6/2006	Christensen et al. ....	D15/143
D396,448	S	*	7/1998	Will et al. ....	D13/112	D525,195	S	*	7/2006	Palese ....	D13/112
5,804,930	A	*	9/1998	Panto ....	318/3						
D399,491	S	*	10/1998	Nagai et al. ....	D13/158						

\* cited by examiner



**FIG. 1**



**FIG. 2**

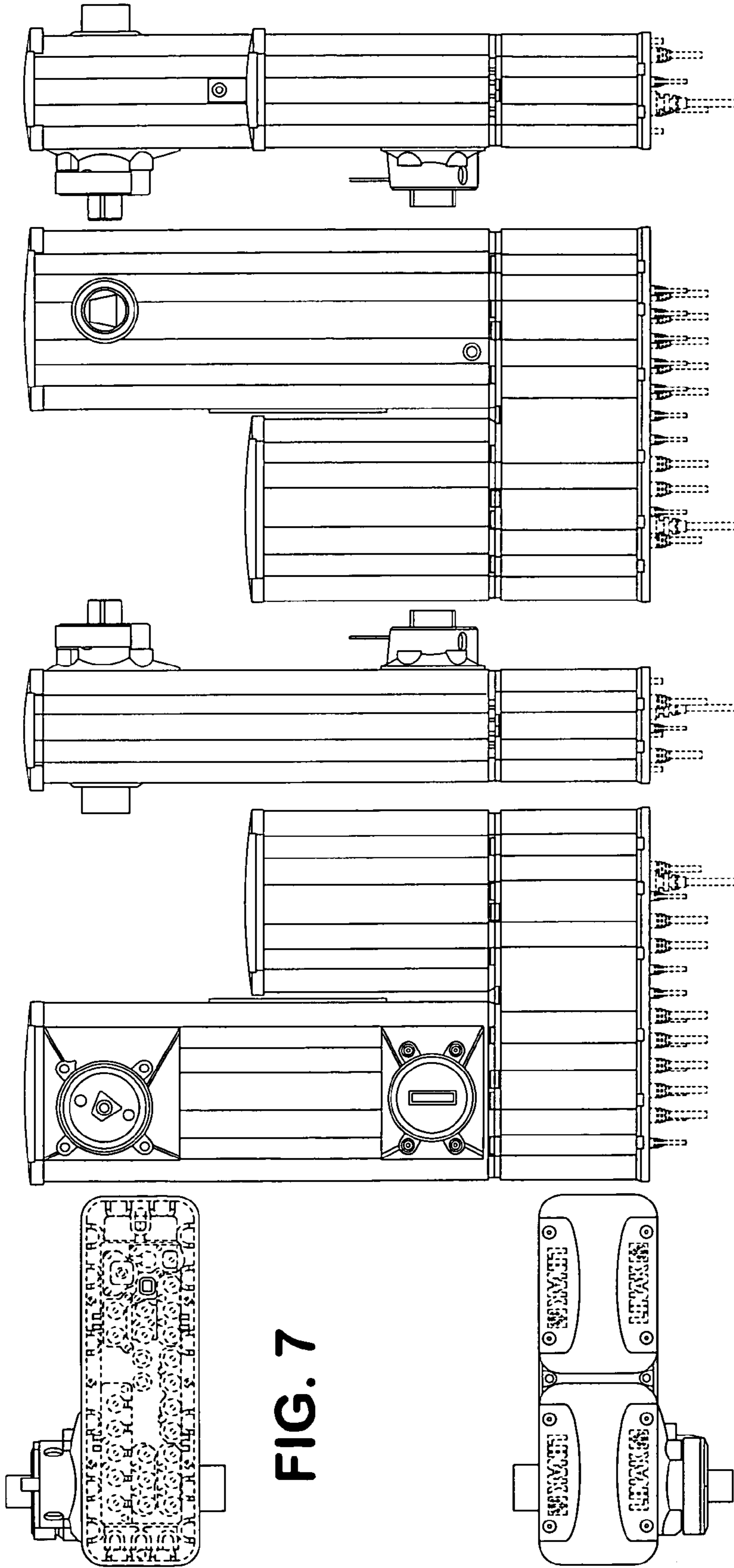


FIG. 7

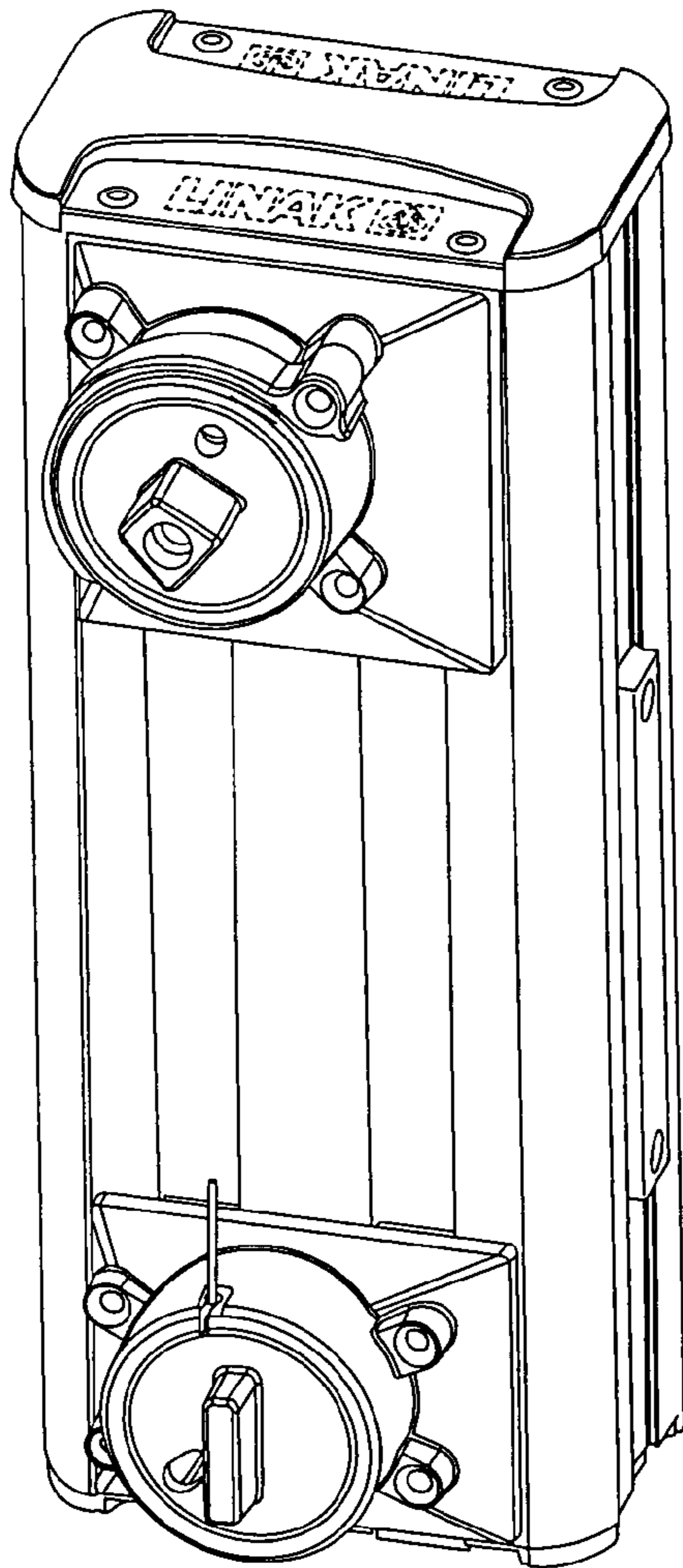
FIG. 3

FIG. 4

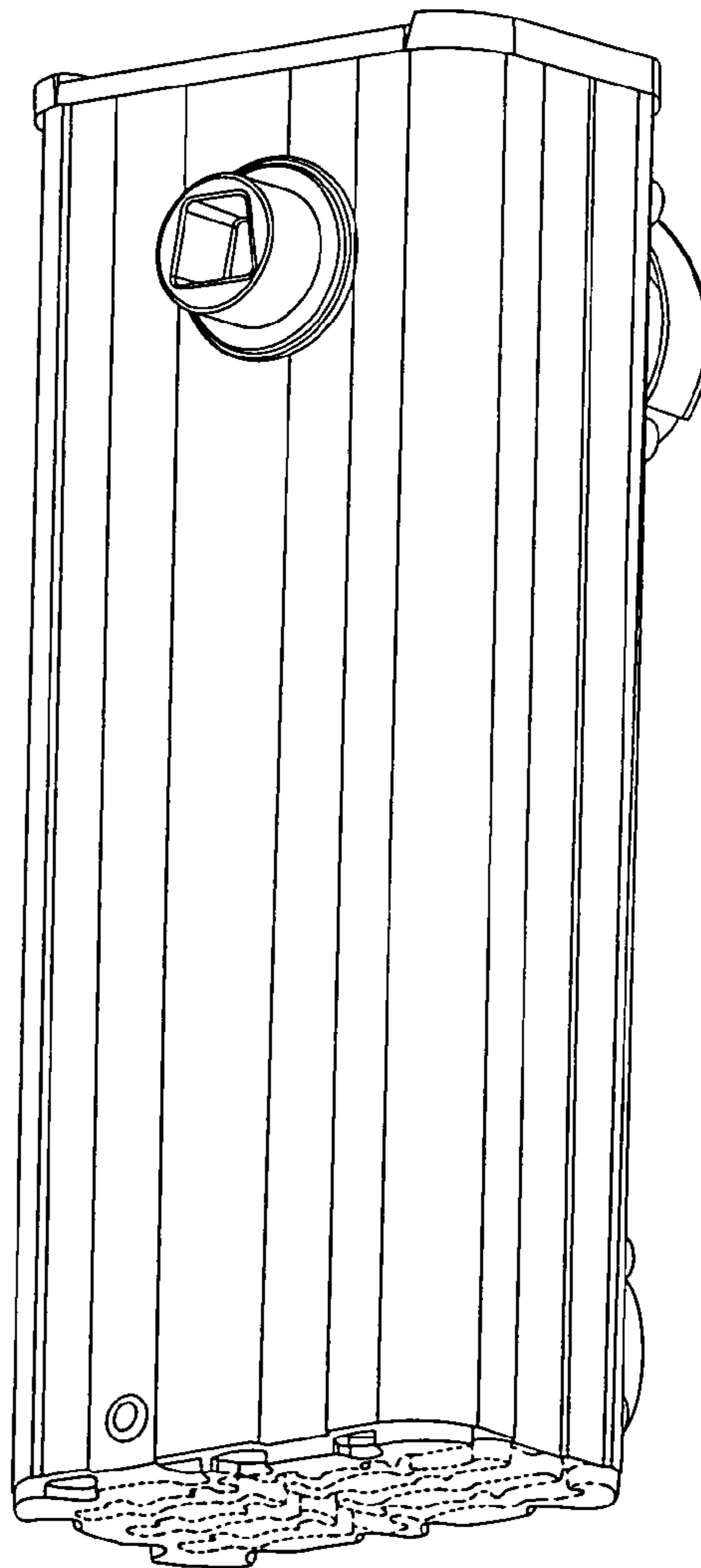
FIG. 5

FIG. 6

FIG. 8



**FIG. 9**



**FIG. 10**

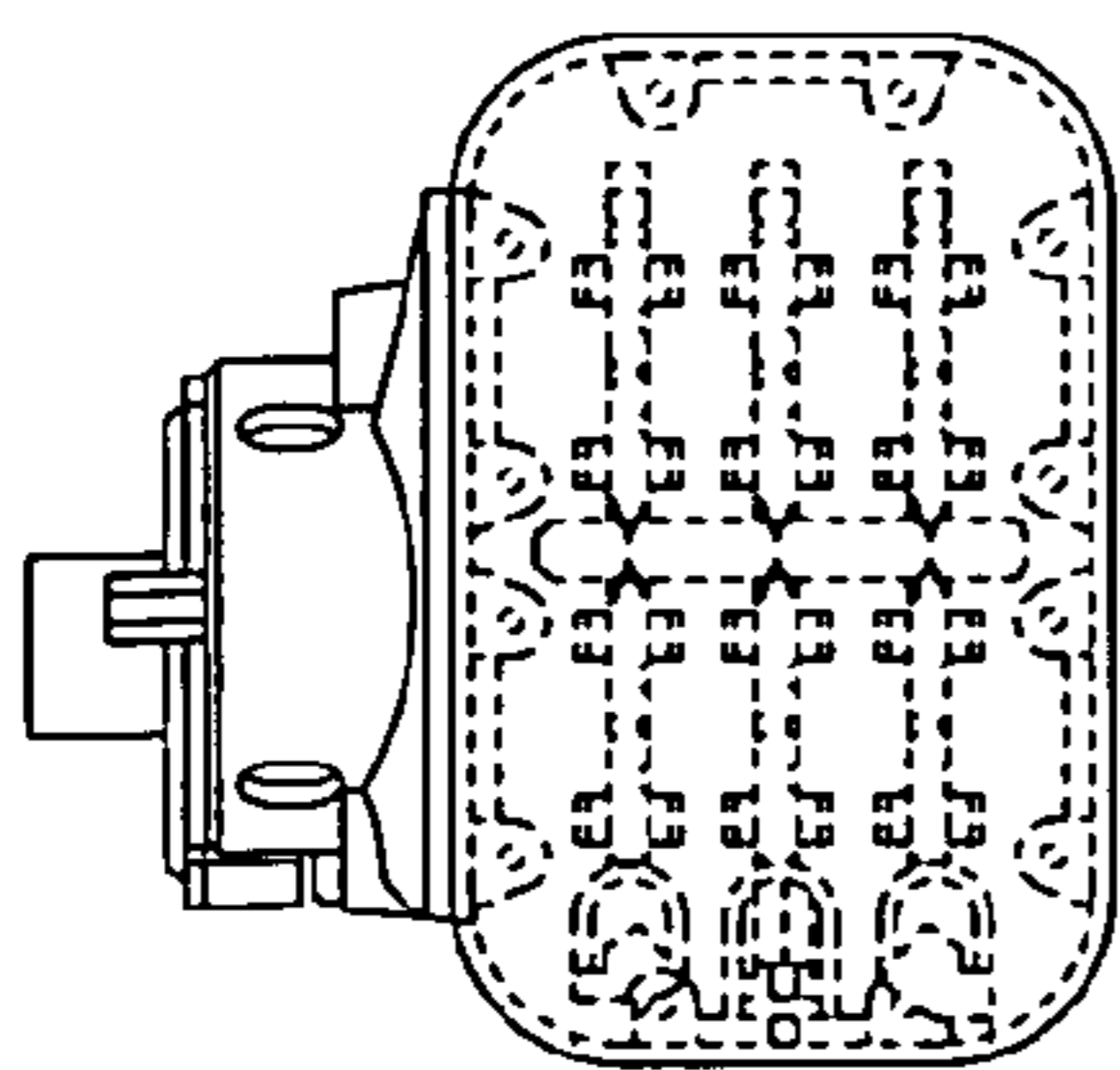


FIG. 15

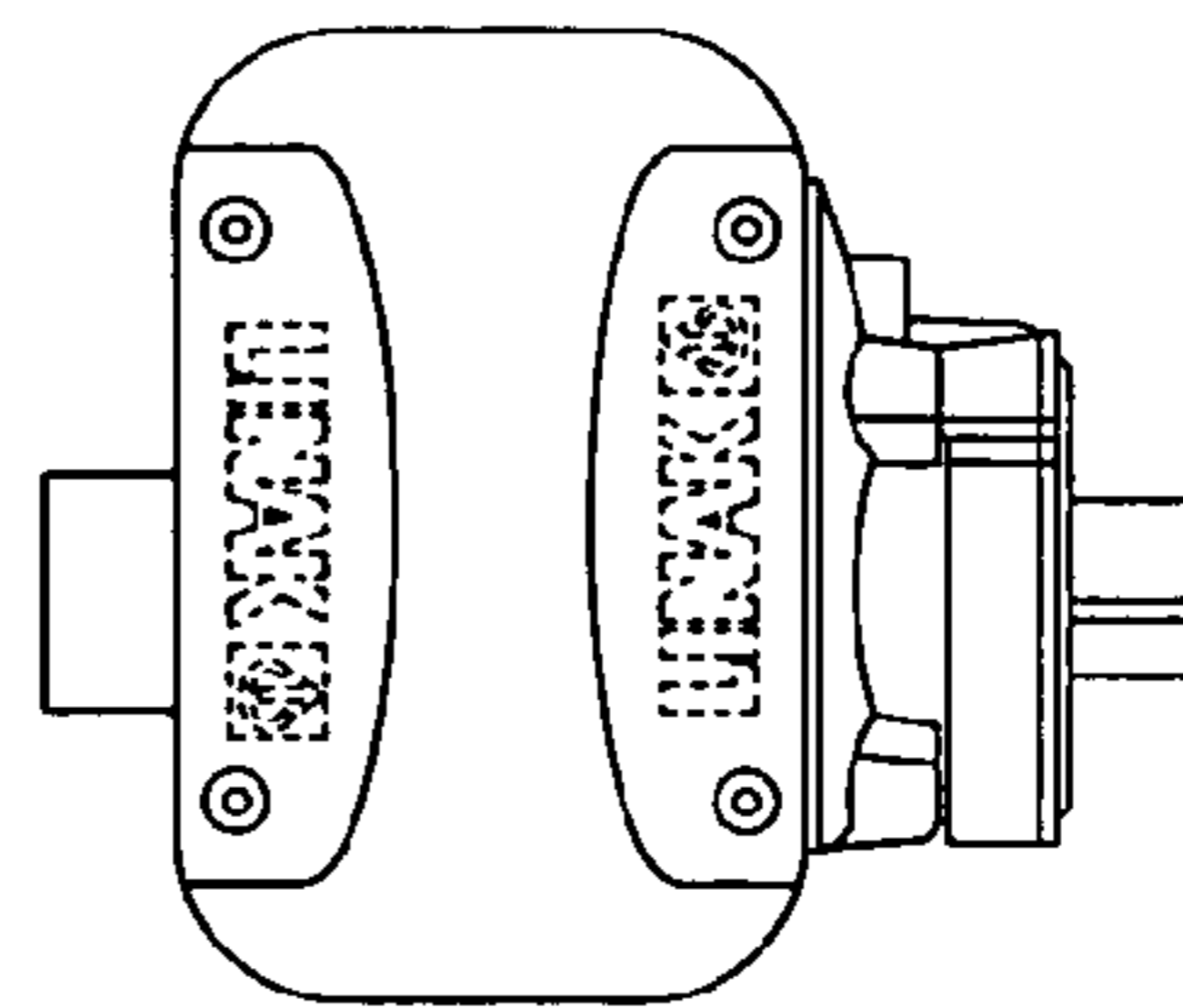


FIG. 16

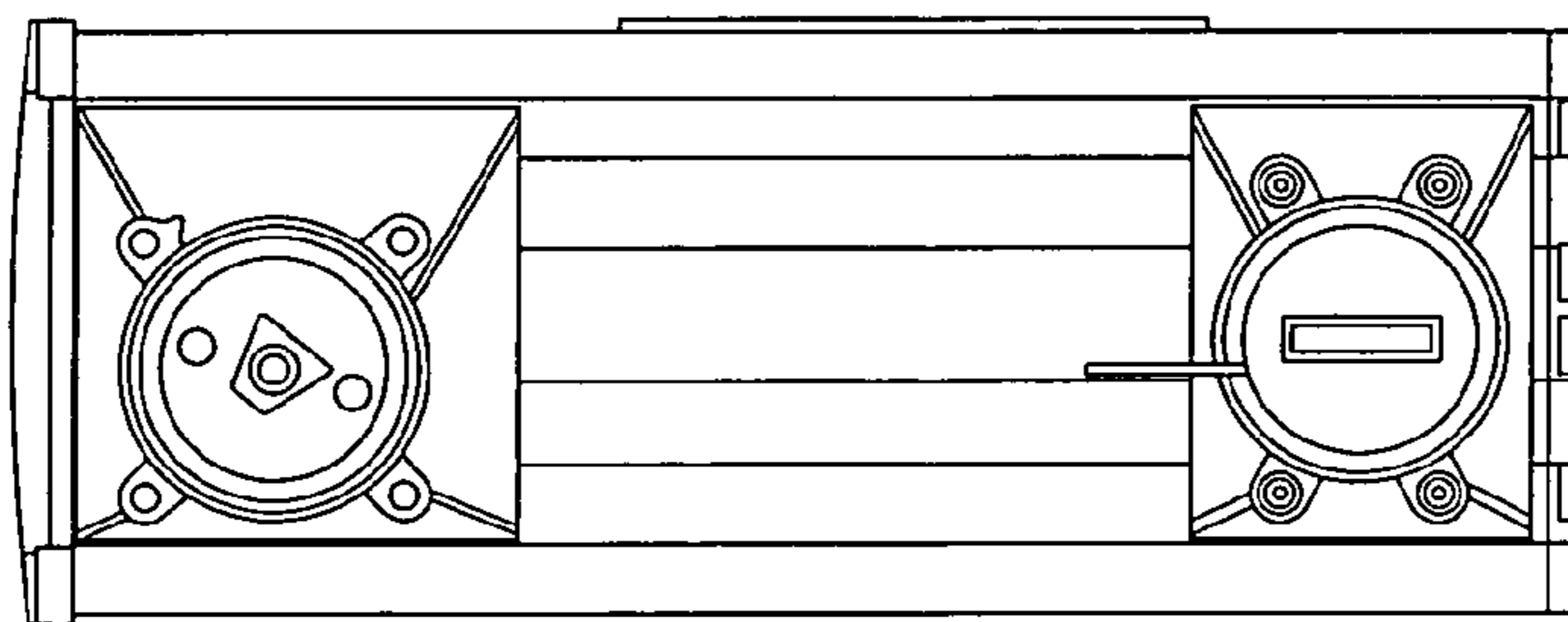


FIG. 14

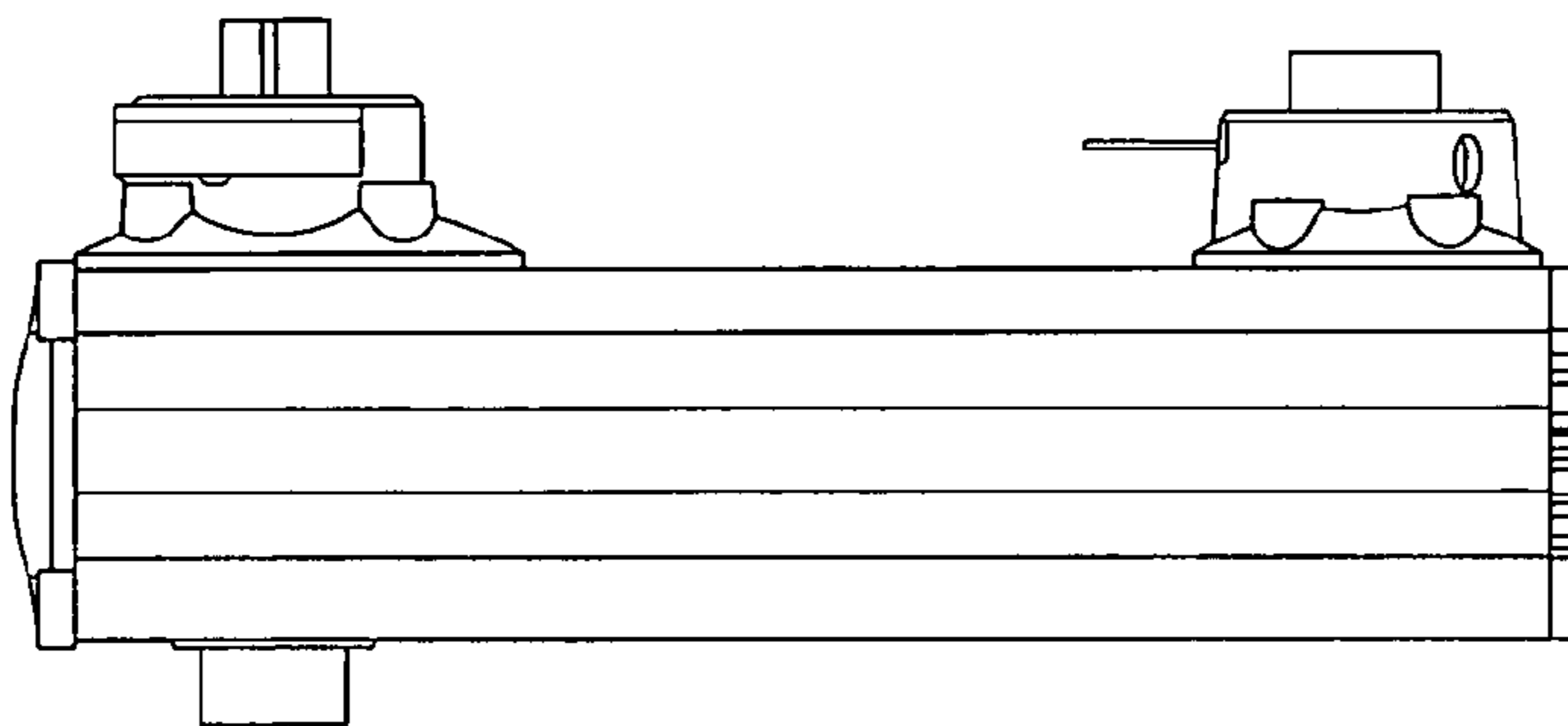


FIG. 13

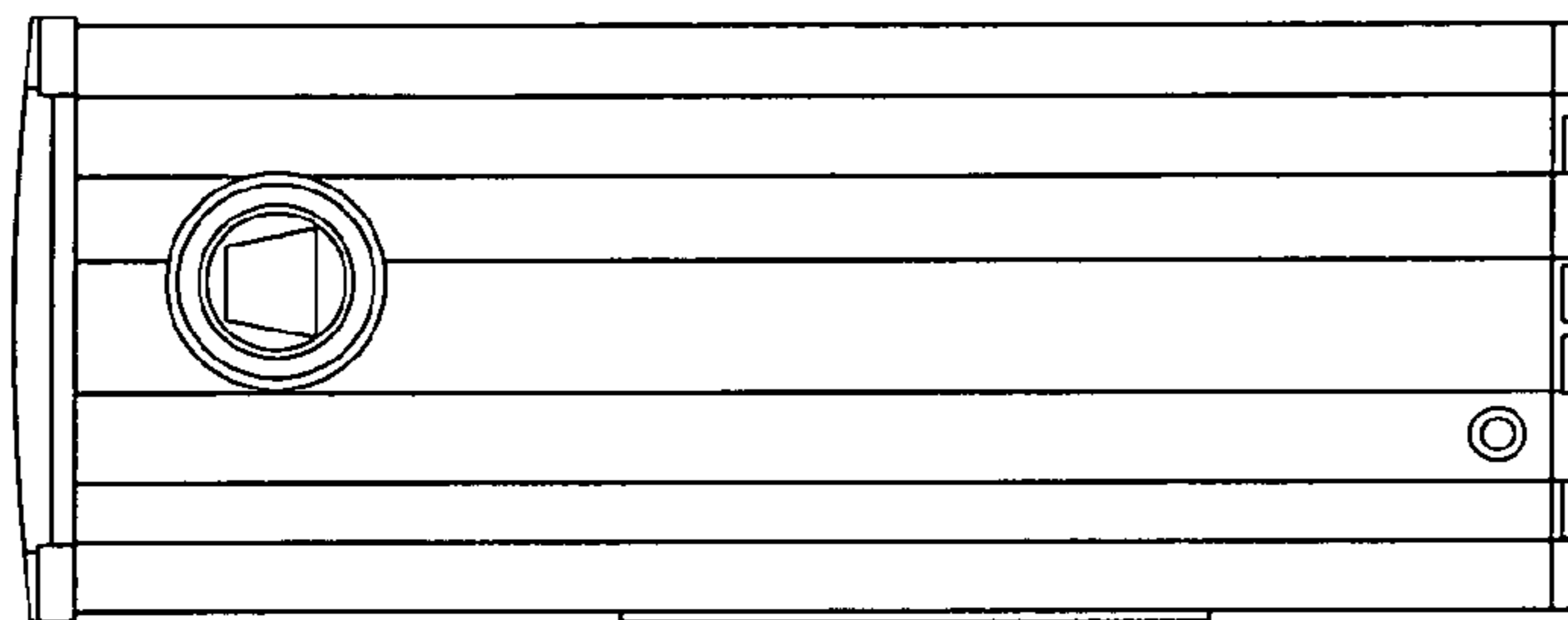


FIG. 12

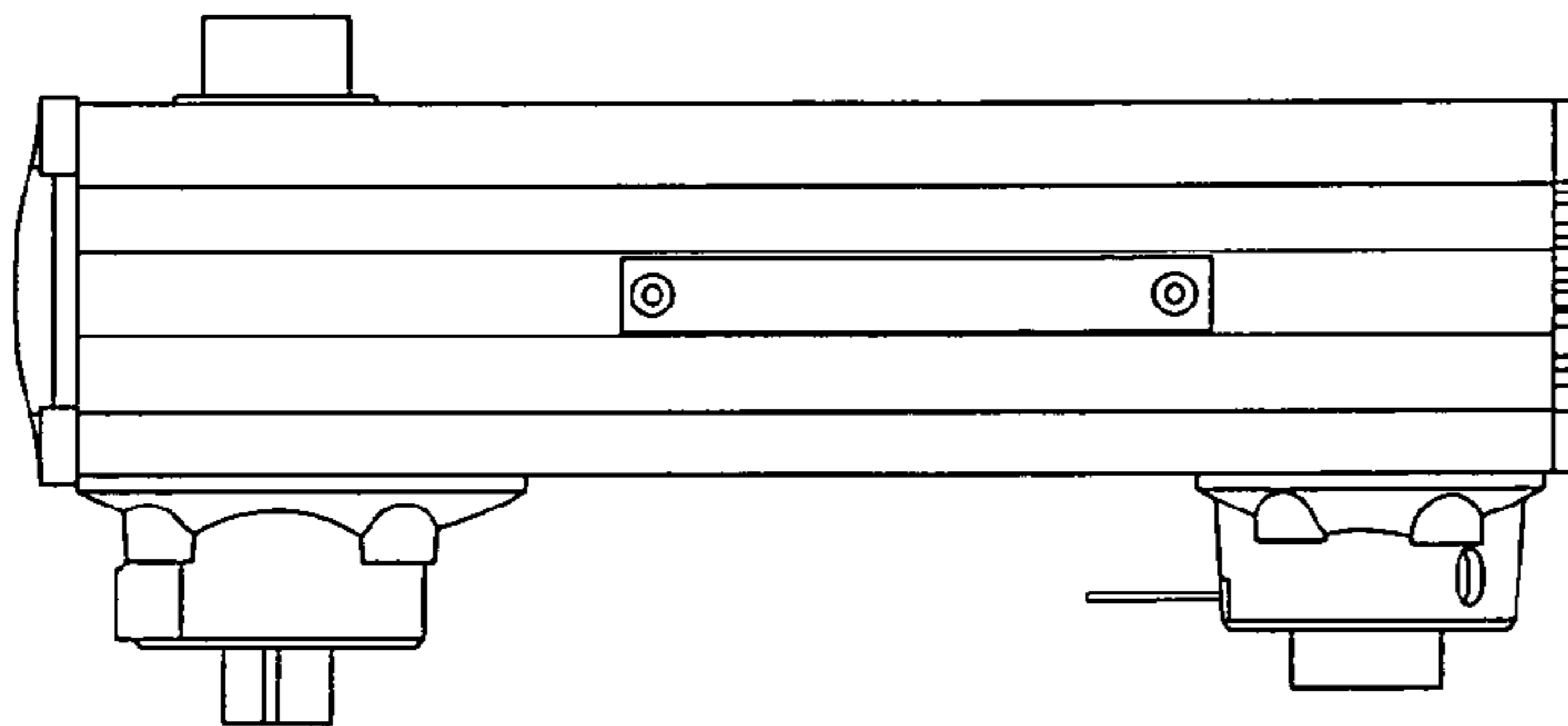
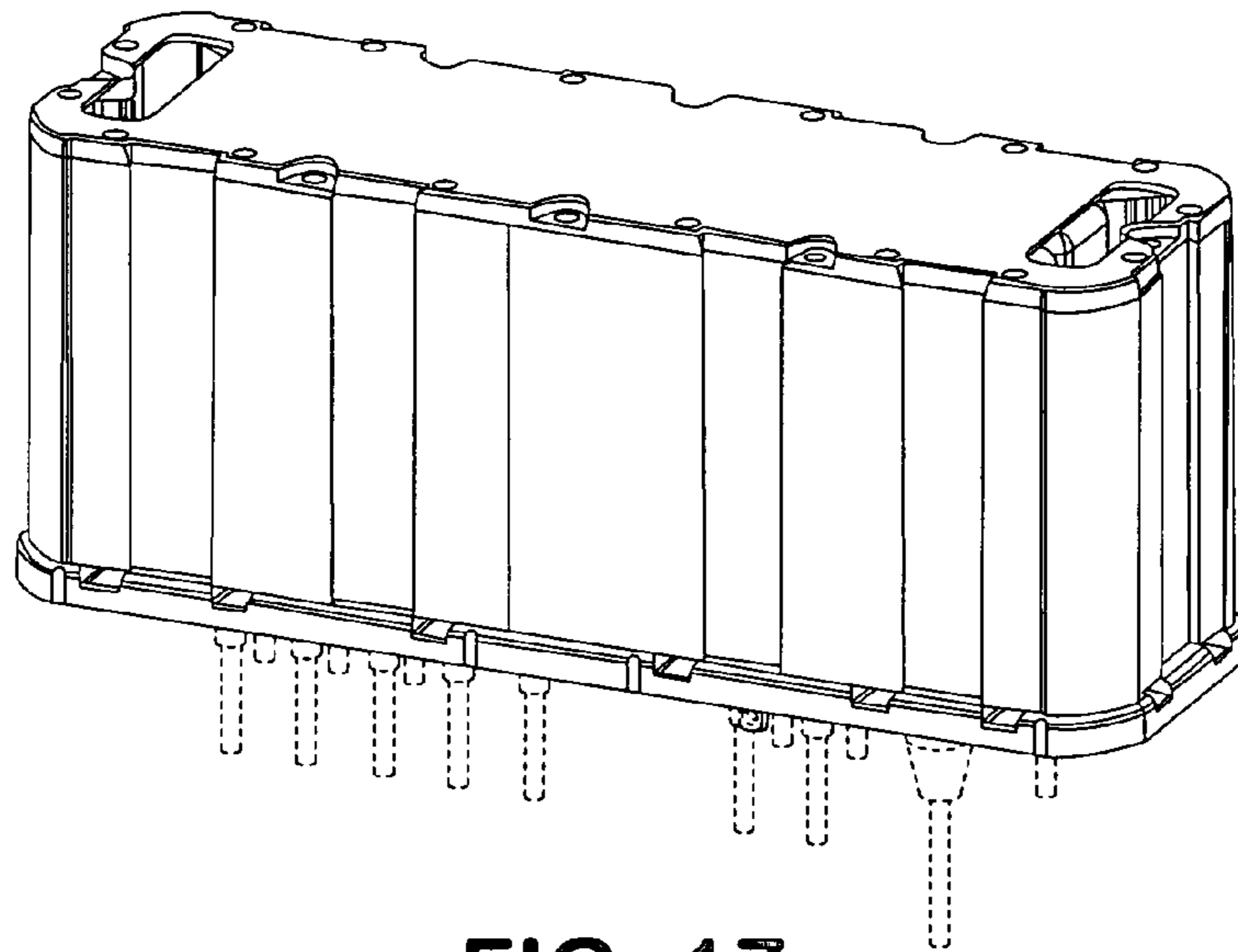
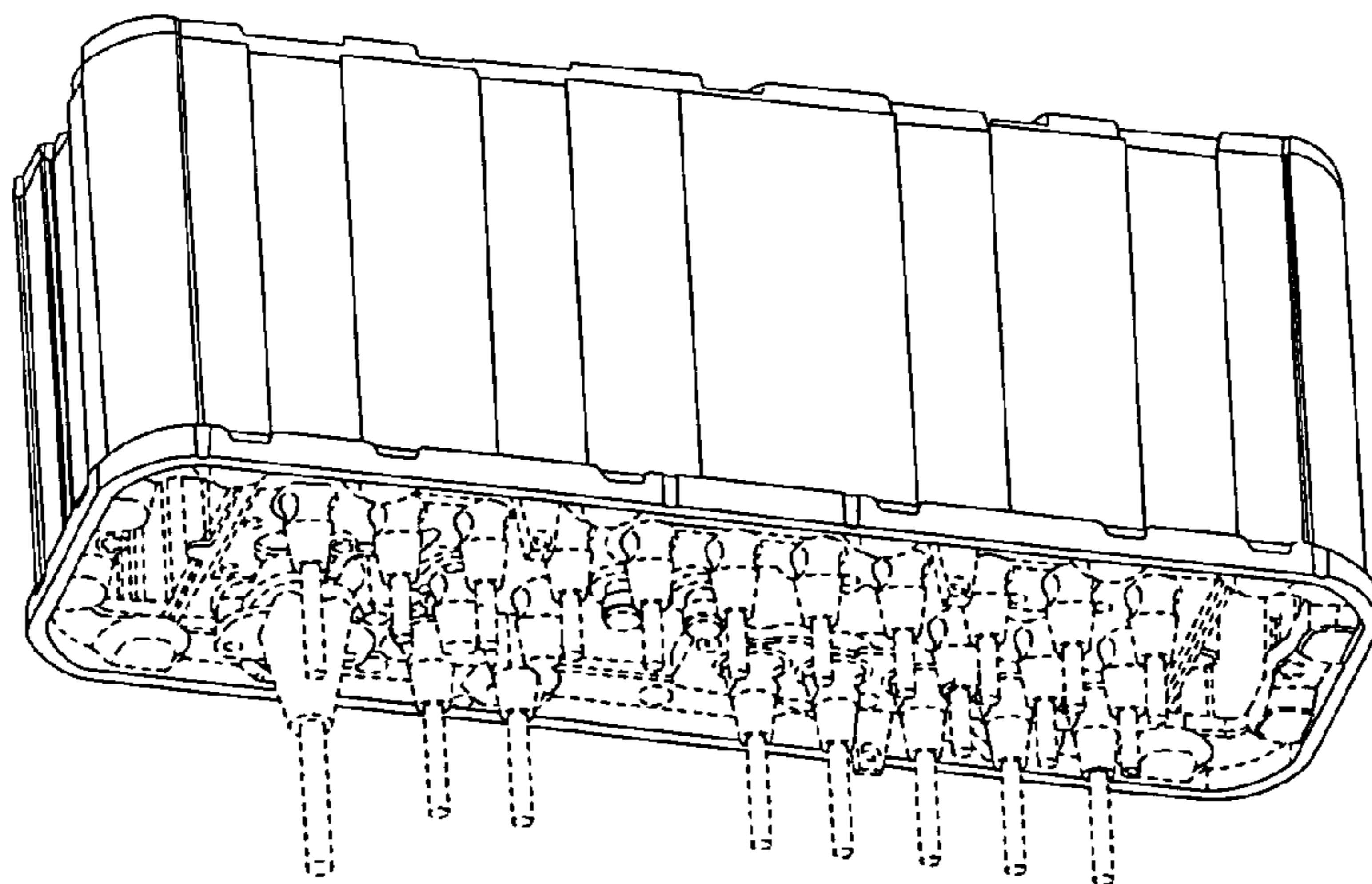


FIG. 11



**FIG. 17**



**FIG. 18**

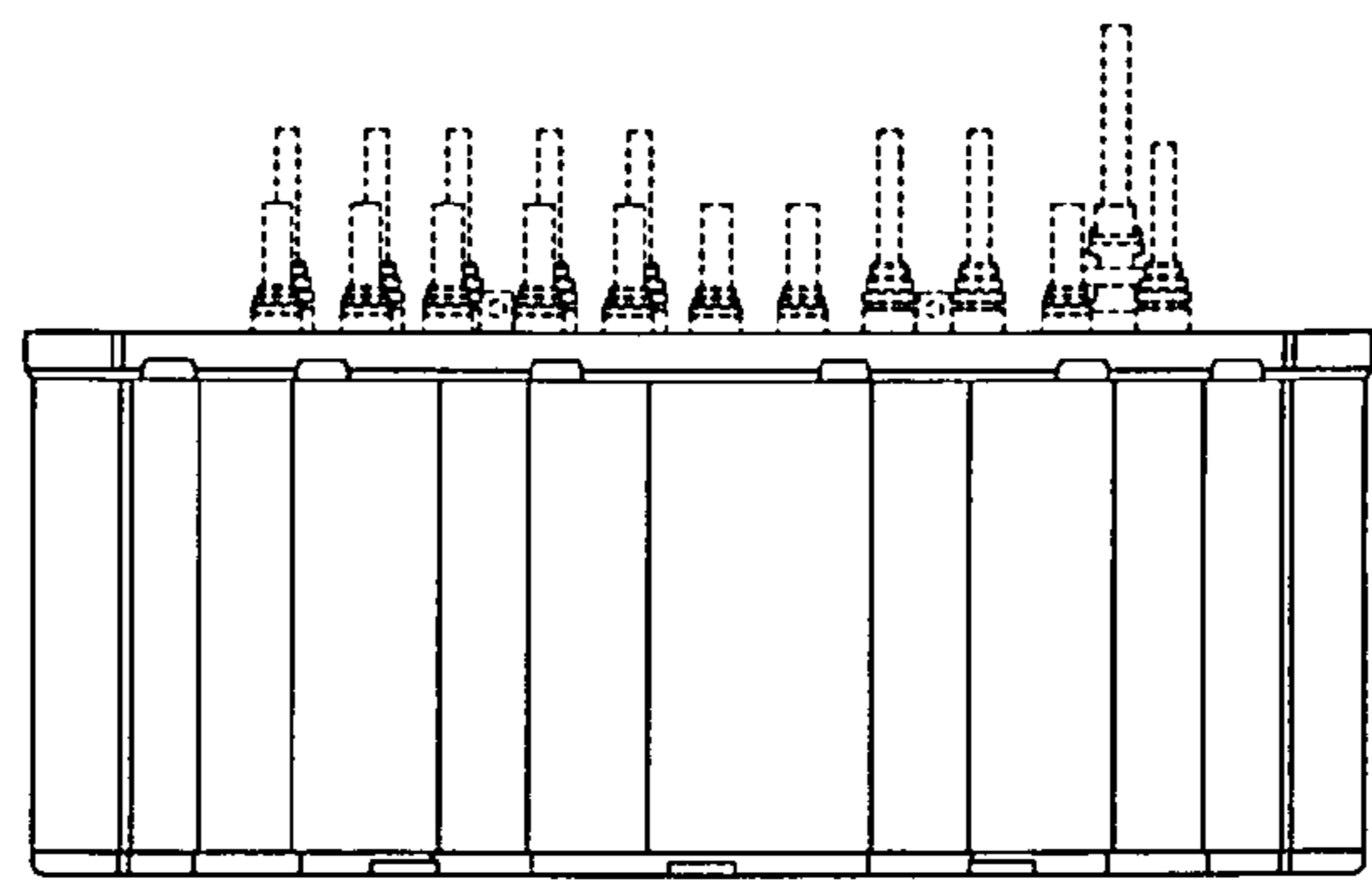


FIG. 19

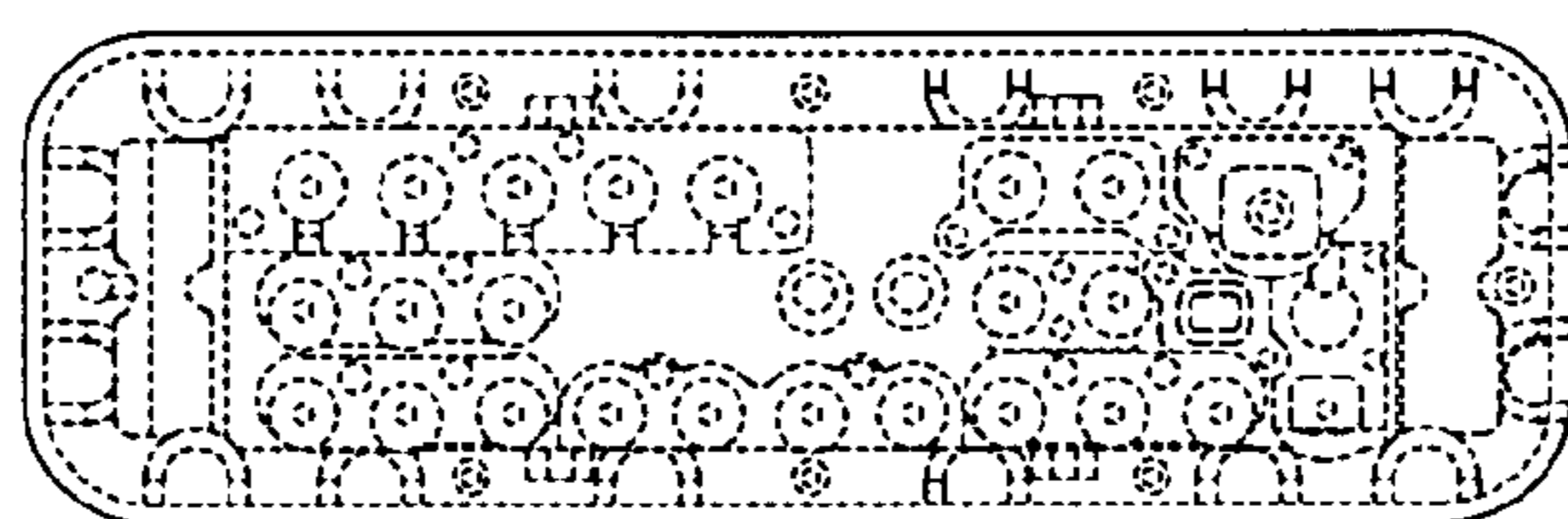


FIG. 20

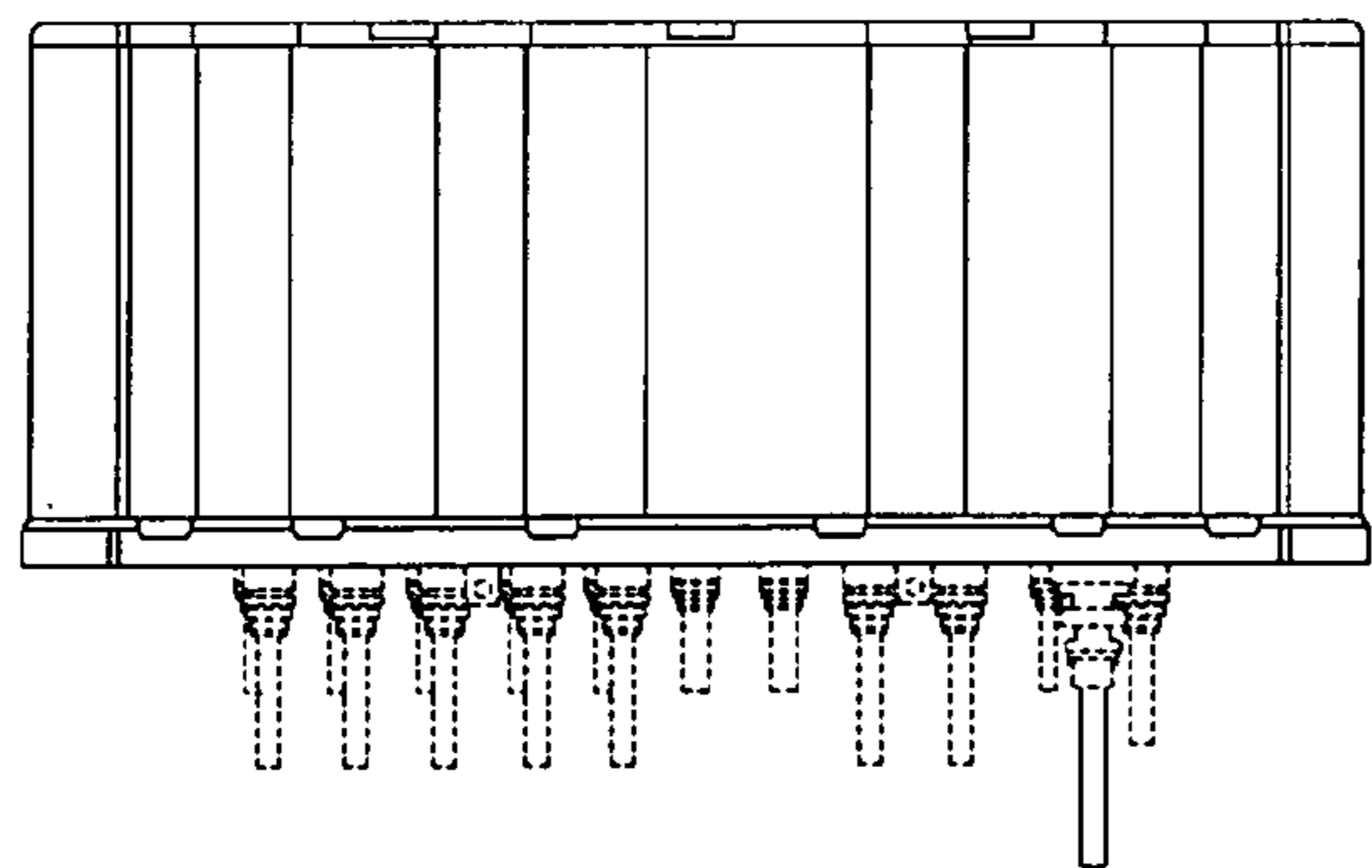


FIG. 21

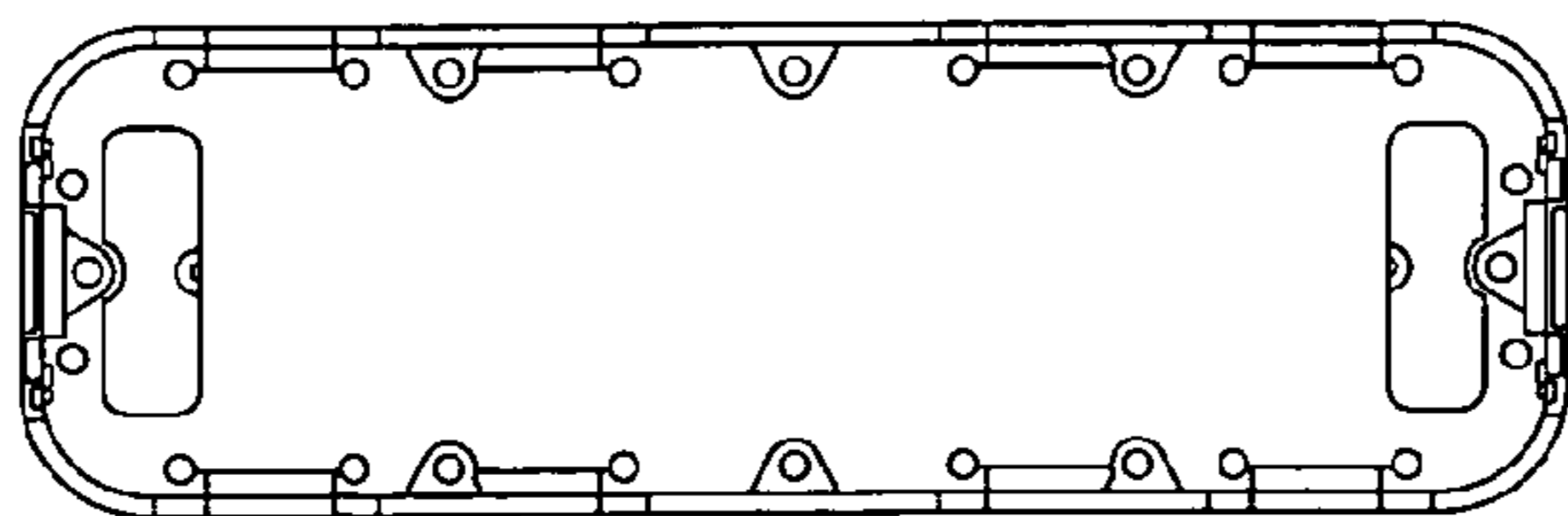


FIG. 22

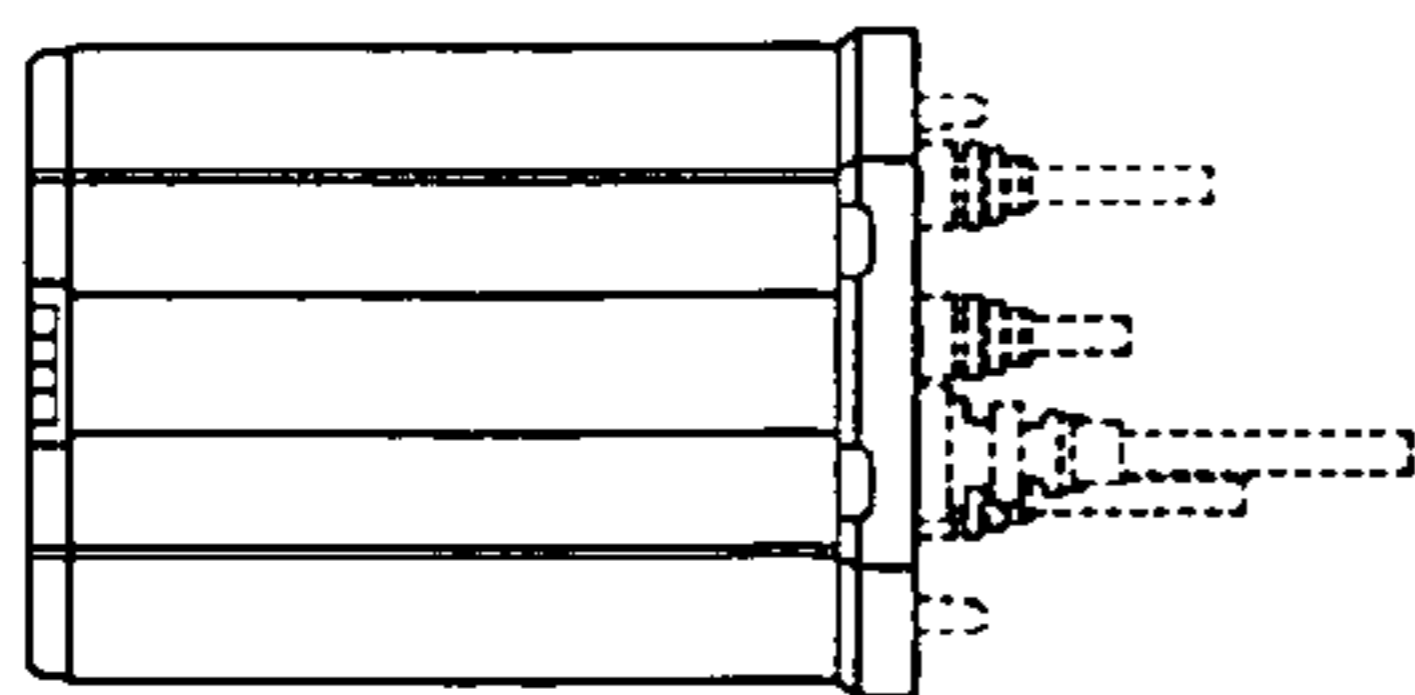


FIG. 23

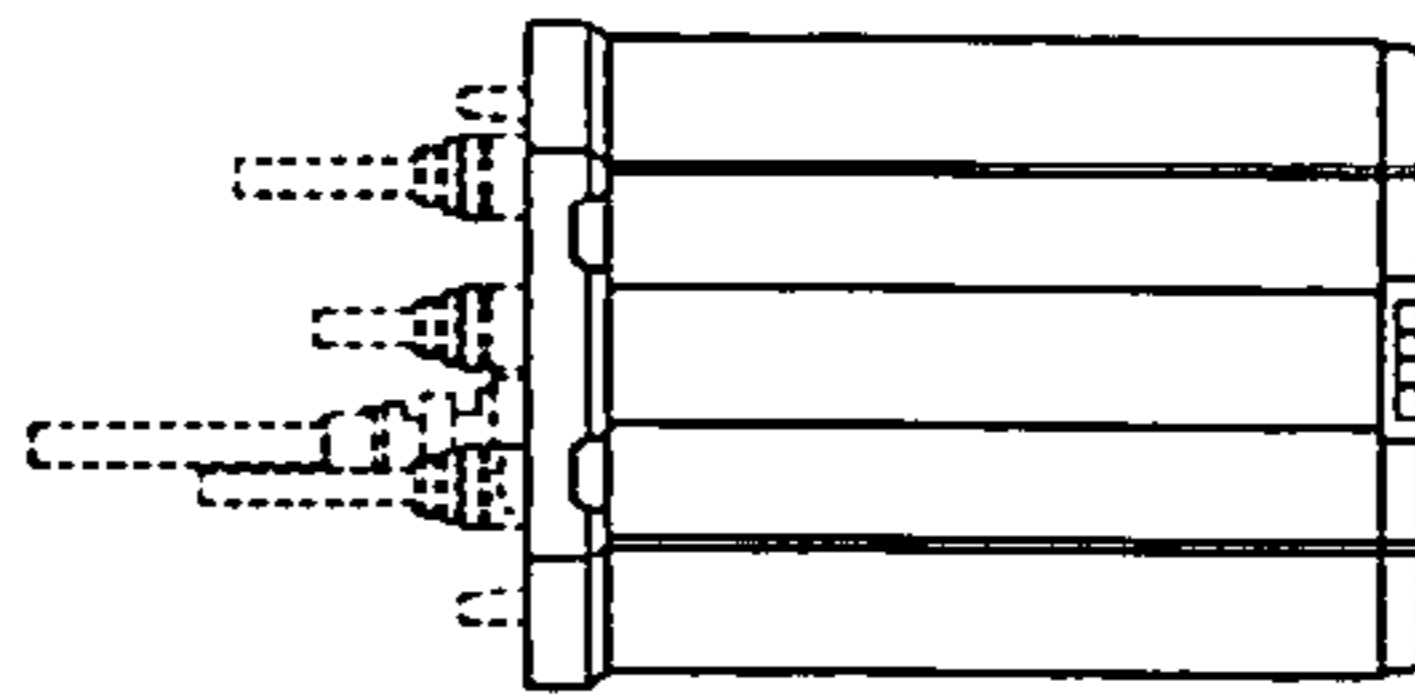
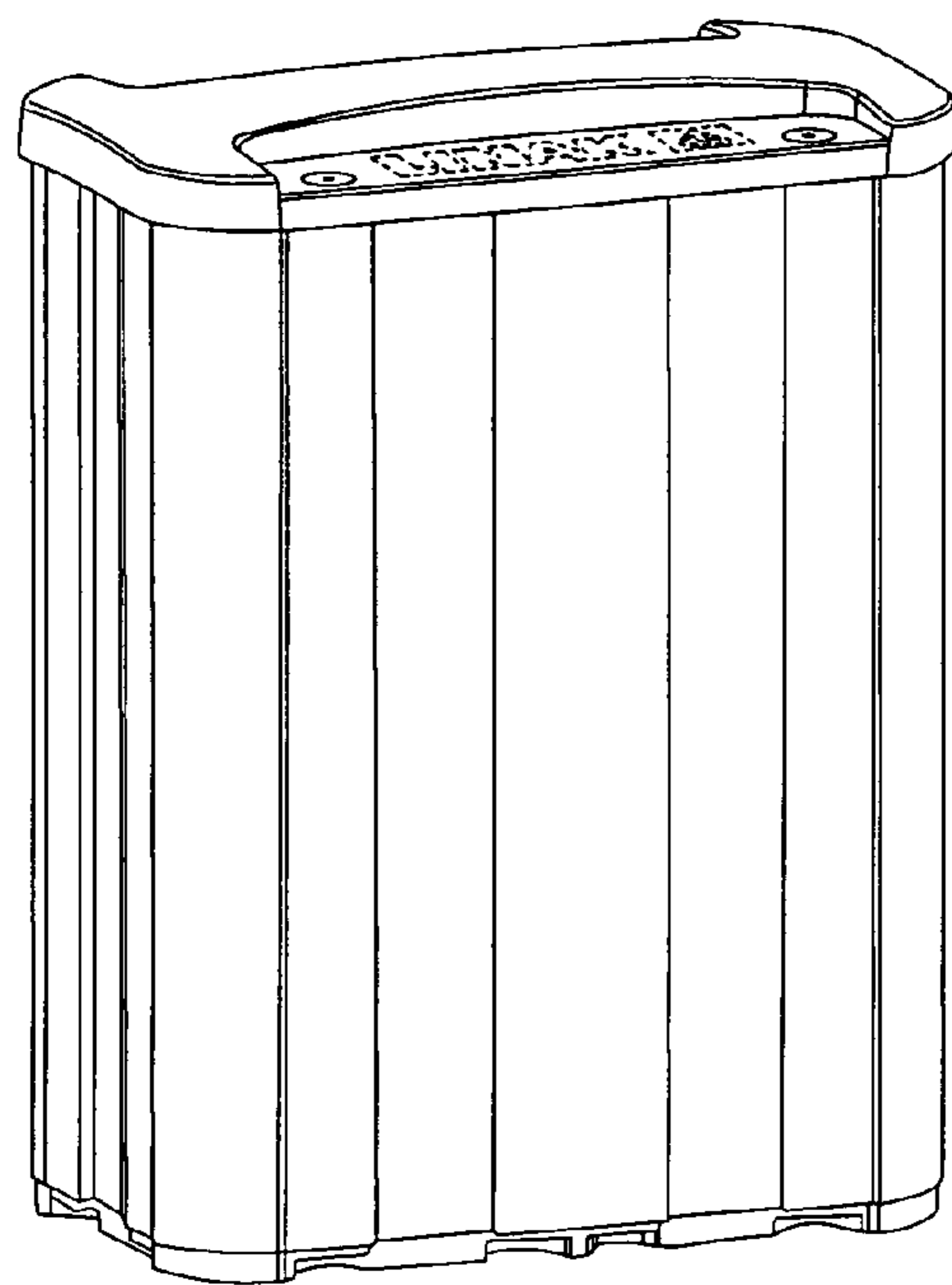
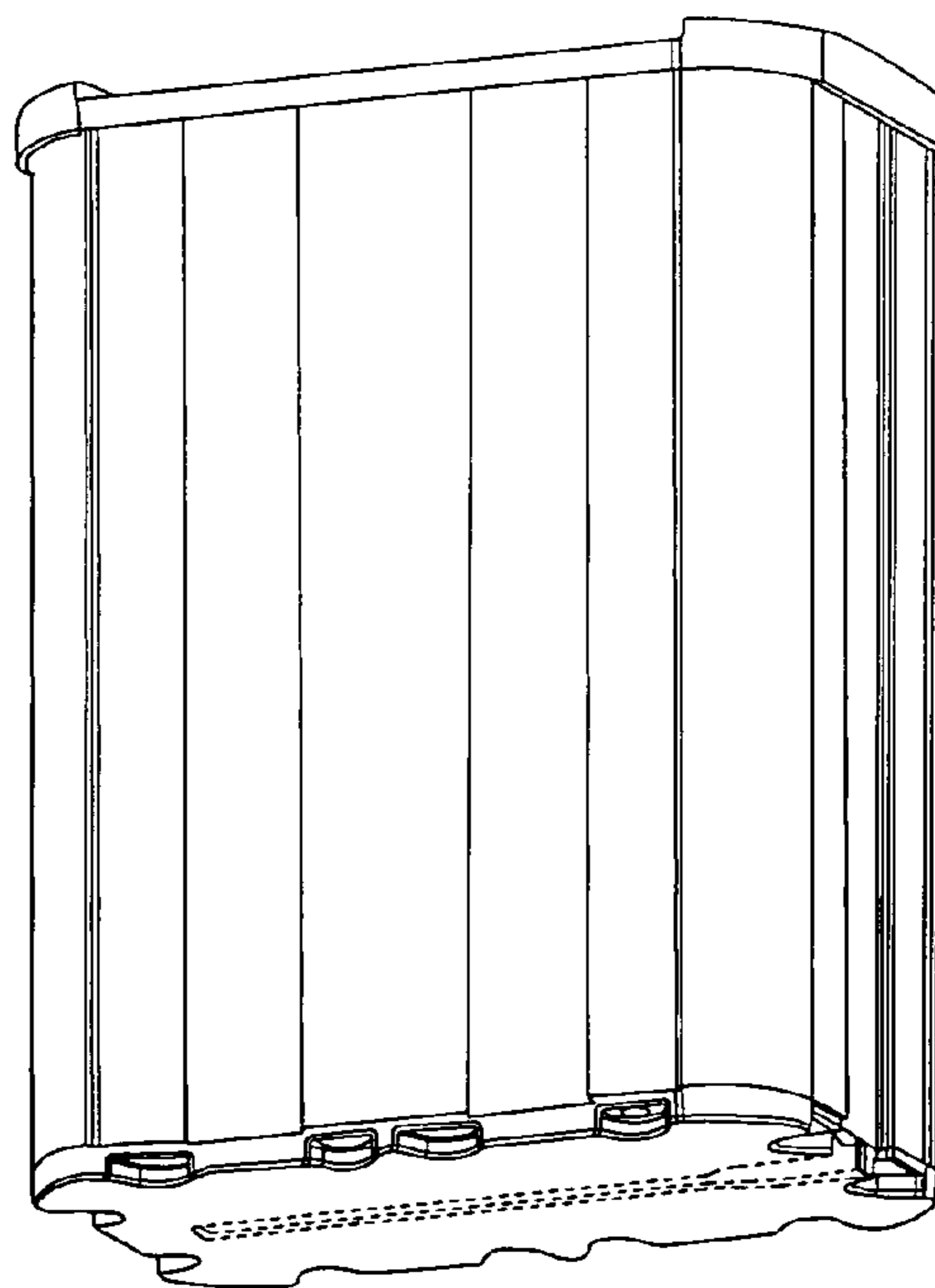


FIG. 24





**FIG. 25**



**FIG. 26**

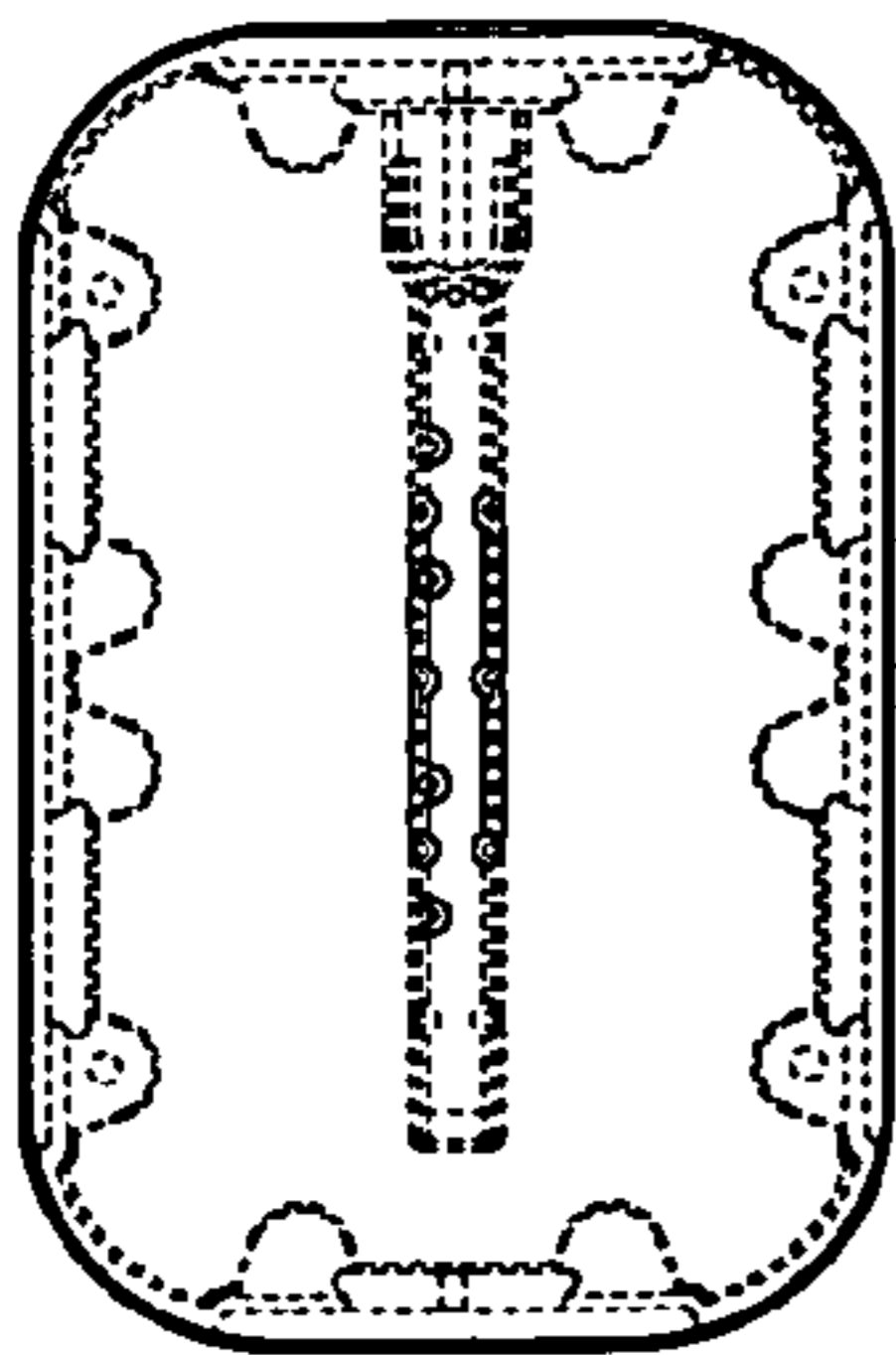


FIG. 31

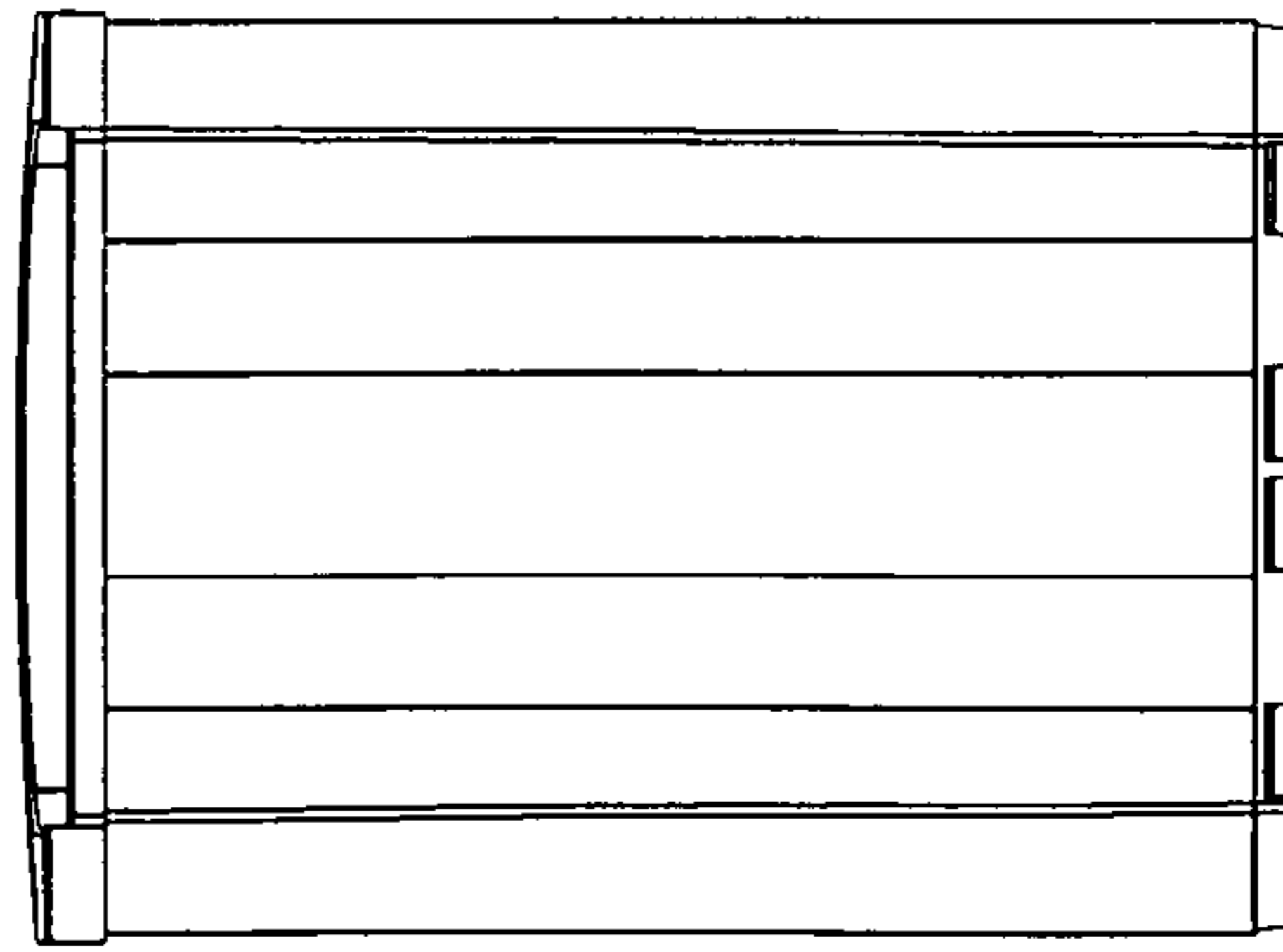


FIG. 30

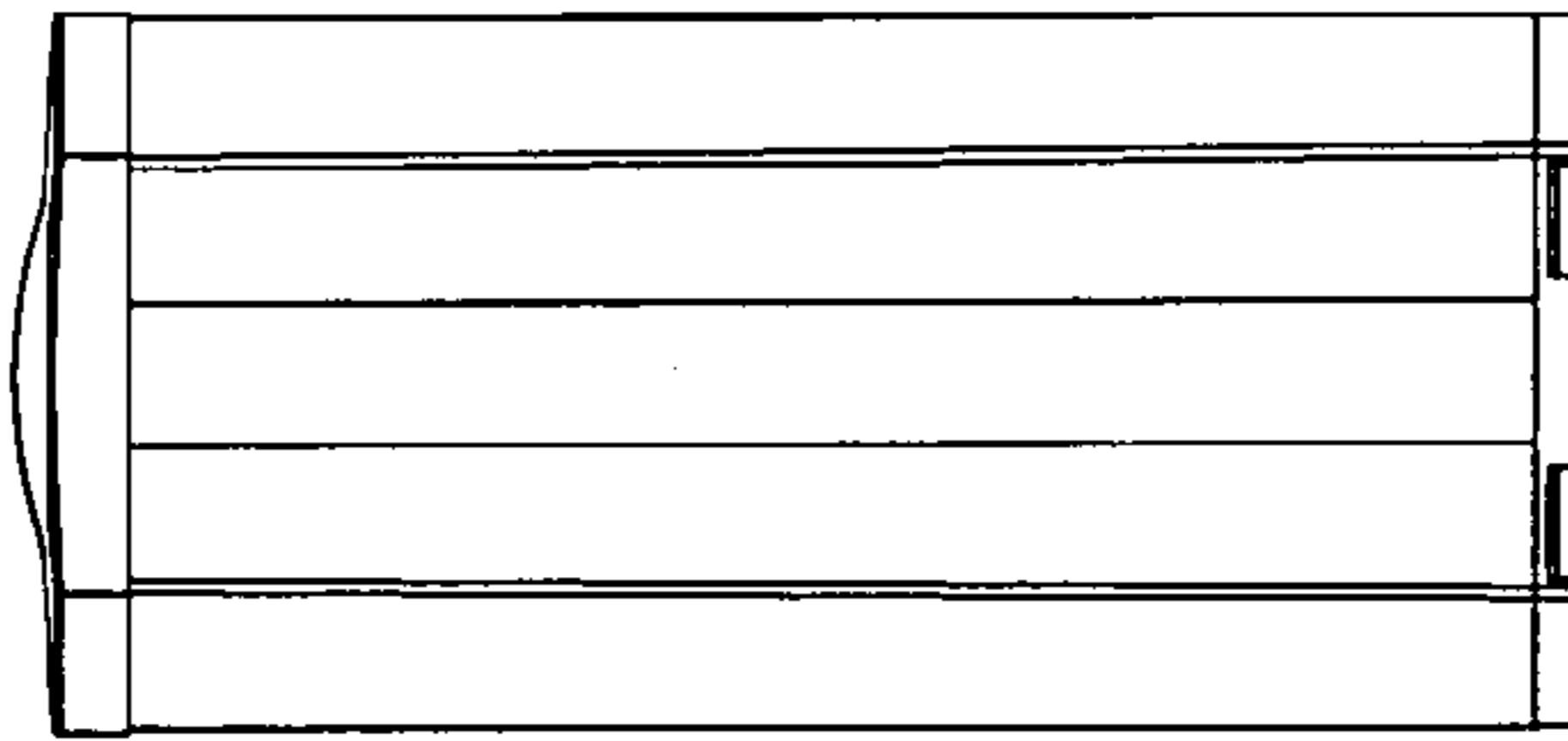


FIG. 29

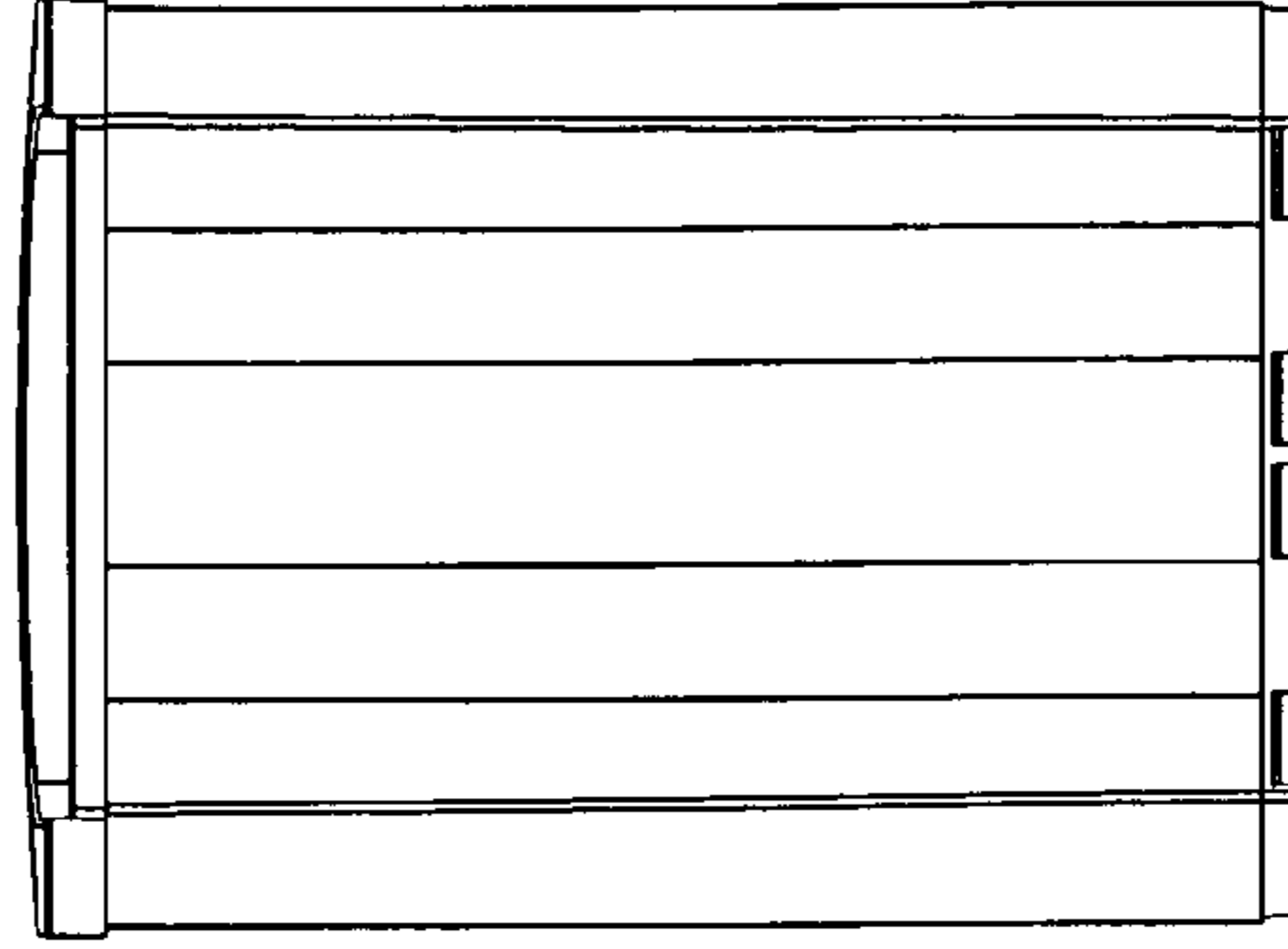


FIG. 28

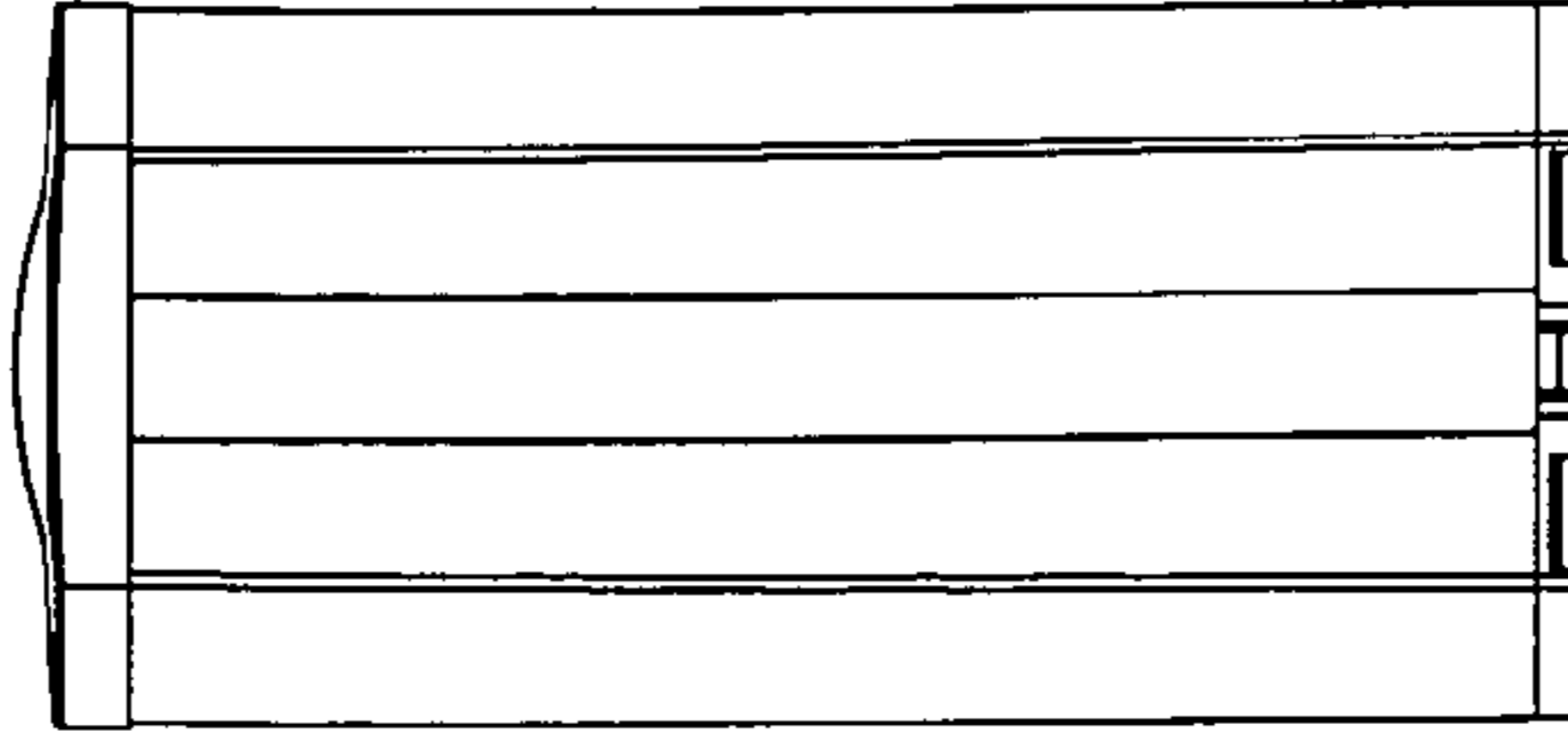


FIG. 27

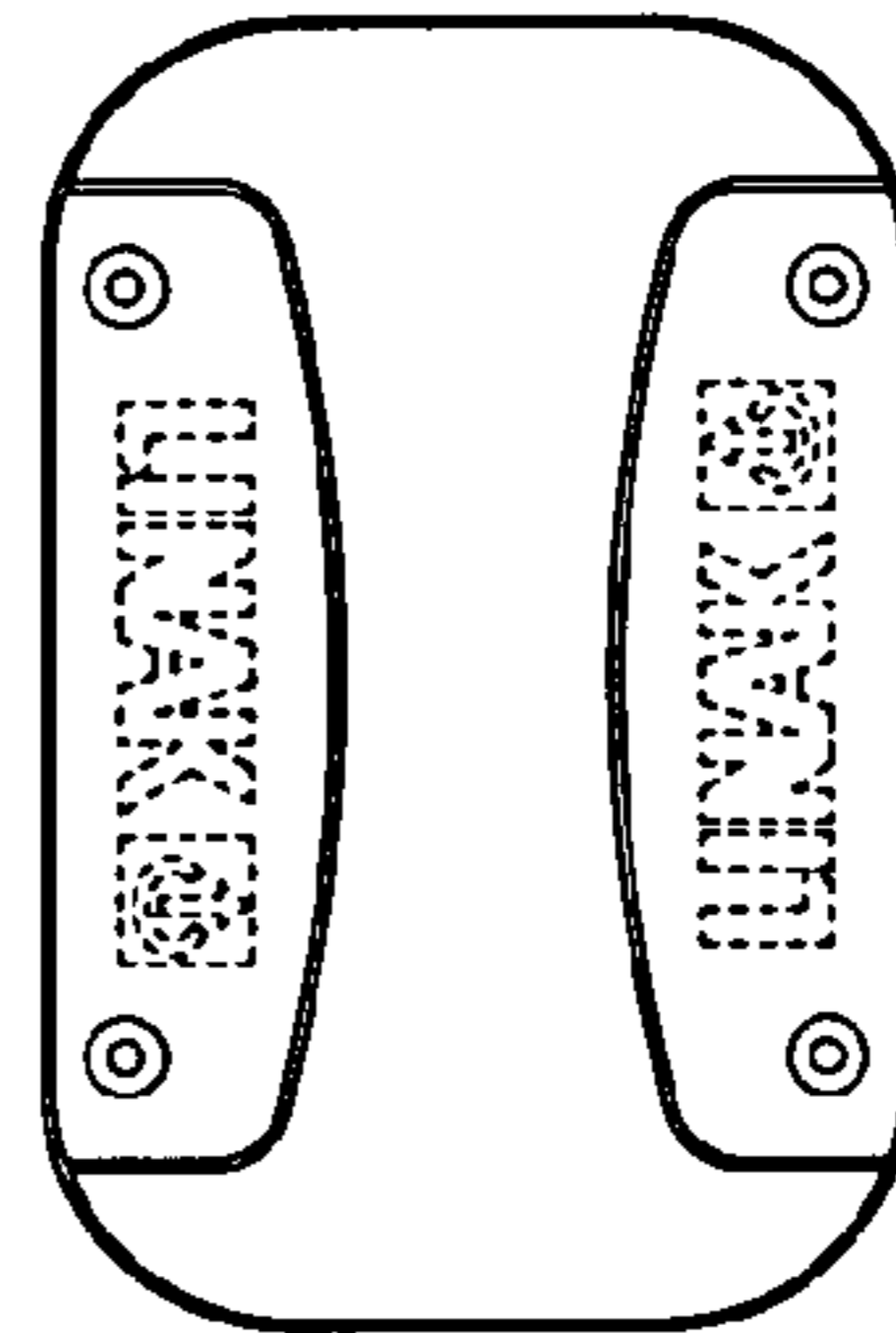


FIG. 32