



US00D457140S

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

(10) **Patent No.:** **US D457,140 S**  
(45) **Date of Patent:** **\*\* May 14, 2002**

(54) **LOW VOLTAGE ELECTRICAL ASSEMBLY**

(75) Inventors: **Mark A. Roesch**, Brecksville; **Dennis P. Revlock, Sr.**, Medina, both of OH (US)

(73) Assignee: **The Lamson & Sessions Co.**, Cleveland, OH (US)

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

(21) Appl. No.: **29/149,755**

(22) Filed: **Oct. 16, 2001**

**Related U.S. Application Data**

(63) Continuation of application No. 29/147,782, filed on Sep. 5, 2001.

(51) **LOC (7) Cl.** ..... **13-03**

(52) **U.S. Cl.** ..... **D13/152**

(58) **Field of Search** ..... D13/152; 174/48, 174/49, 50, 53, 58, 65 R; 220/3.2, 3.3, 3.9, 3.92, 3.94

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,818,317 A	8/1931	Gilmore	
2,644,600 A	7/1953	Senif	220/3.9
3,601,276 A	8/1971	Culpepper	220/3.8
3,676,571 A	7/1972	Rubinstein	174/65
3,862,351 A	1/1975	Schindler et al.	174/58
3,863,037 A *	1/1975	Schindler et al.	174/58
3,917,101 A	11/1975	Ware	220/3.2
4,135,337 A	1/1979	Medlin	52/221
4,140,293 A	2/1979	Hansen	248/217.2
4,533,060 A	8/1985	Medlin	220/3.9
4,572,391 A	2/1986	Medlin	220/3.9
4,612,412 A	9/1986	Johnston	174/65 R
4,844,275 A	7/1989	Schnell et al.	220/3.9
4,927,039 A	5/1990	McNab	220/3.7
4,968,855 A	11/1990	Le Paillier	174/48
5,005,792 A	4/1991	Rinderer	248/205.1
5,014,043 A	5/1991	Lopetrone et al.	340/664
5,064,386 A	11/1991	Dale et al.	439/535

5,114,365 A	5/1992	Thompson et al.	439/540
5,125,527 A	6/1992	Parlatore et al.	220/266
5,243,134 A	9/1993	Nattel	174/53
5,263,676 A	11/1993	Medlin, Jr. et al.	248/300
D345,142 S	3/1994	Porter	D13/156
5,289,934 A	3/1994	Smith et al.	220/3.7
5,301,437 A	4/1994	Burke	33/562

(List continued on next page.)

**OTHER PUBLICATIONS**

Article from Electrical Product News entitled "New Union Dual Voltage Nonmetallic Box Introduced by Thomas & Betts"; Feb., 2001, p. 7.

*Primary Examiner*—Jennifer Rivard

(74) *Attorney, Agent, or Firm*—Jones, Day, Reavis & Pogue

(57) **CLAIM**

The ornamental design for a low voltage electrical assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of one embodiment of the low voltage electrical assembly of our new design showing a single gang assembly;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a perspective view of another embodiment of the low voltage electrical assembly of our new design showing the single gang assembly of FIG. 1, but with portions of the assembly shown in phantom;

FIG. 9 is a front view thereof;

FIG. 10 is a rear view thereof;

FIG. 11 is a top view thereof;

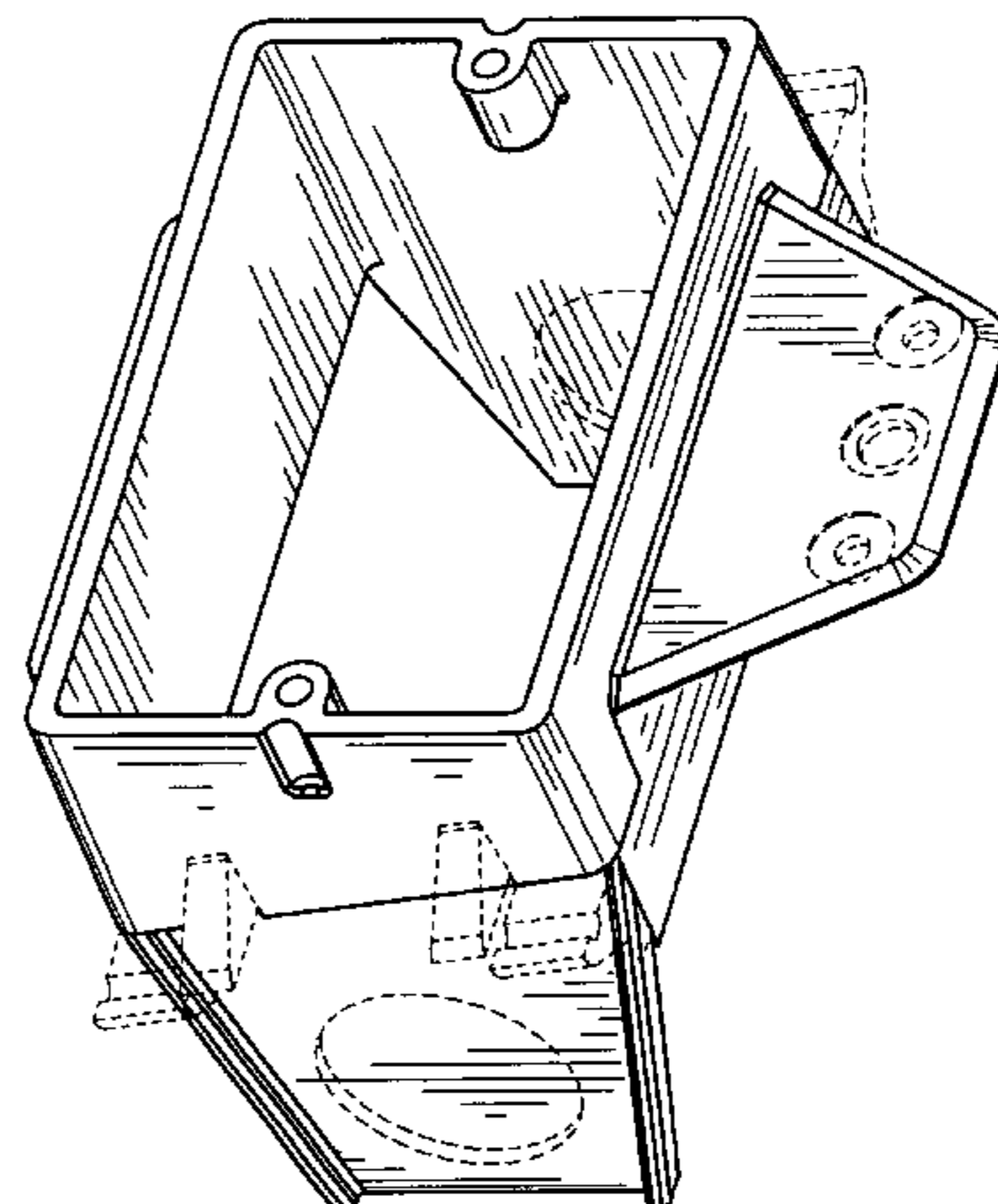
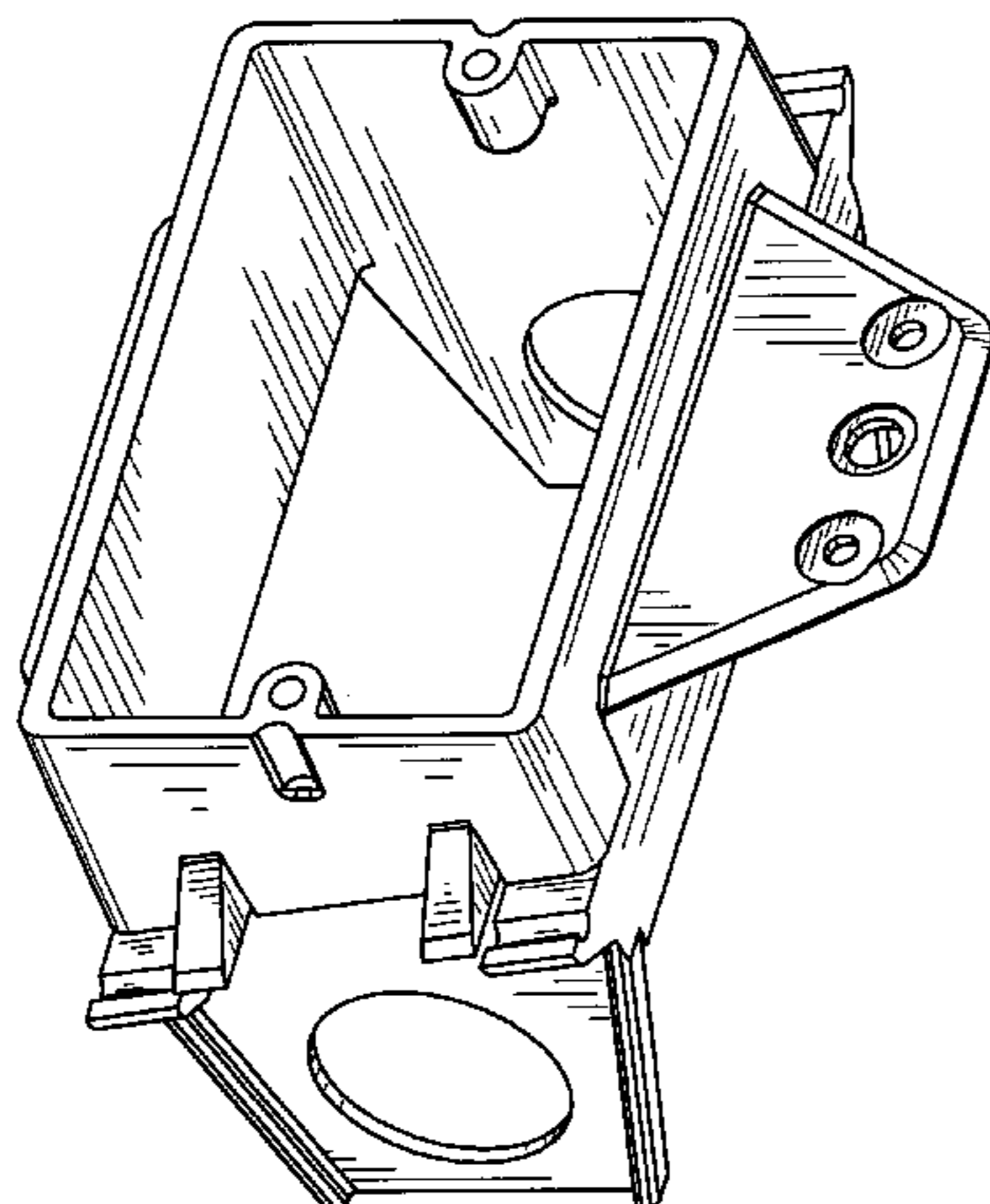
FIG. 12 is a bottom view thereof;

FIG. 13 is a right side view thereof; and,

FIG. 14 is a left side view thereof.

The broken line showings of FIGS. 8–14 are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



# US D457,140 S

Page 2

## U.S. PATENT DOCUMENTS

5,354,953 A	10/1994	Nattel et al. ....	174/54	5,863,016 A	1/1999	Makwinski et al. ....	248/27.1
5,357,055 A	10/1994	Sireci .....	174/48	D405,422 S	2/1999	Tennefoss et al. ....	D13/152
5,408,045 A	4/1995	Jorgensen et al. ....	174/58	5,883,331 A	3/1999	Reiker .....	174/54
5,448,011 A	9/1995	Laughlin .....	174/48	5,965,844 A	10/1999	Lippa .....	174/49
5,486,650 A	1/1996	Yetter .....	174/53	D422,266 S	4/2000	Roesch .....	D13/152
5,509,560 A	4/1996	Nash .....	220/3.9	6,051,785 A	4/2000	Baldwin et al. ....	174/54
5,594,207 A	1/1997	Fabian et al. ....	174/58	6,057,509 A	5/2000	Simmons .....	174/53
5,596,174 A	1/1997	Sapienza .....	174/57	D427,889 S	7/2000	Gretz .....	D8/354
5,598,998 A	2/1997	Lynn .....	248/300	6,091,023 A	7/2000	O'Donnell .....	174/57
5,646,371 A	7/1997	Fabian .....	174/58	6,093,890 A	7/2000	Gretz .....	174/58
5,677,512 A	10/1997	Reiker .....	174/58	6,103,974 A	8/2000	Erdfarb .....	174/66
5,710,392 A	1/1998	Bordwell et al. ....	174/50	6,108,331 A	8/2000	Thompson .....	370/352
5,717,164 A	2/1998	Shetterly .....	174/58	6,147,304 A	11/2000	Doherty .....	174/48
5,789,706 A	8/1998	Perkins .....	174/65	6,204,450 B1	3/2001	Reiker .....	174/58
5,810,303 A	9/1998	Bourassa et al. ....	248/205.1	6,207,898 B1	3/2001	Reiker .....	174/61
5,833,110 A *	11/1998	Chandler et al. ....	220/3.3	6,242,696 B1	6/2001	Reiker .....	174/62
5,841,068 A	11/1998	Umstead et al. ....	174/58	6,281,439 B1	8/2001	Reiker .....	174/62
D404,715 S	1/1999	Almond .....	D13/152	6,300,567 B1	10/2001	Hayduke et al. ....	174/58

\* cited by examiner

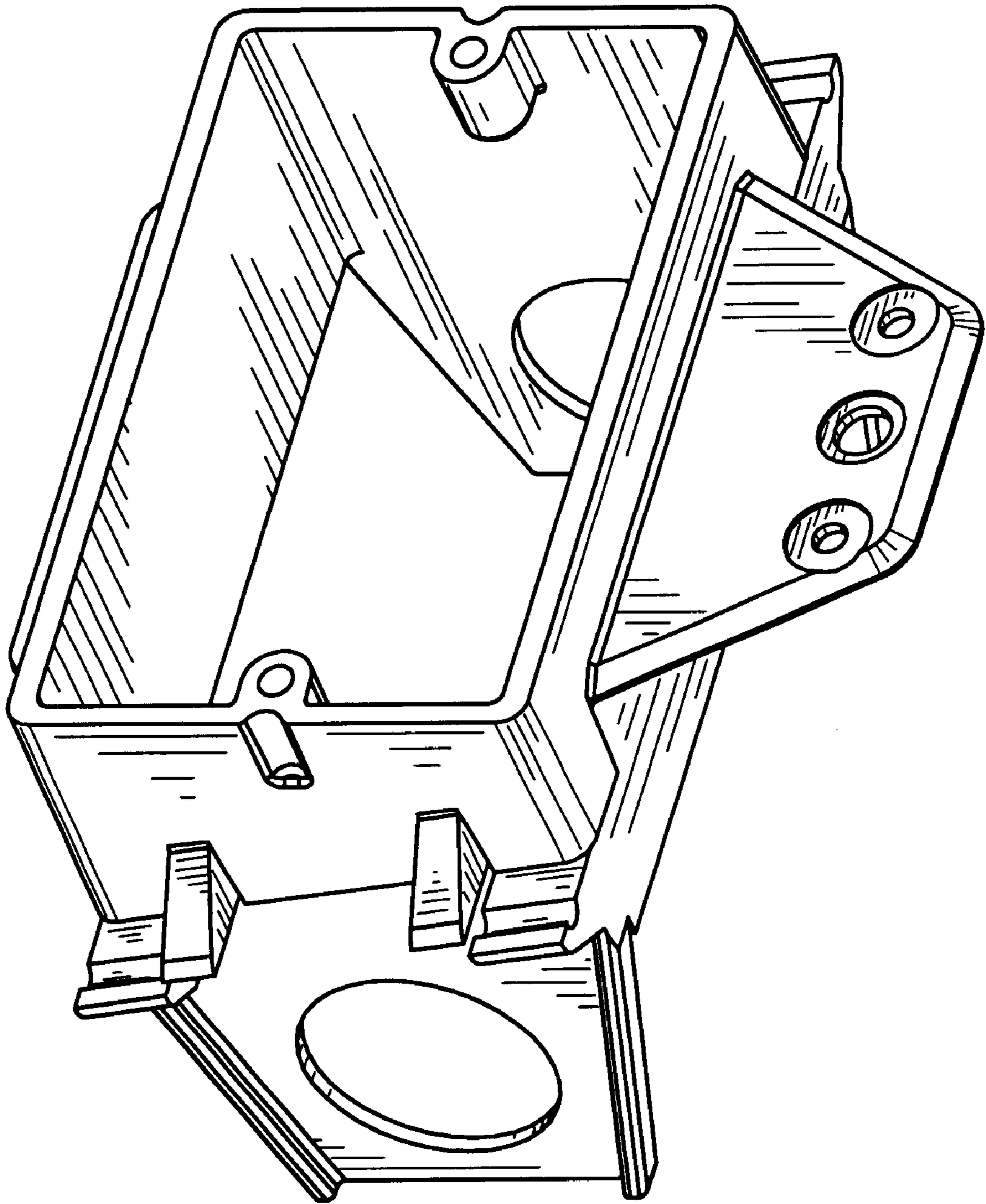


Fig.1

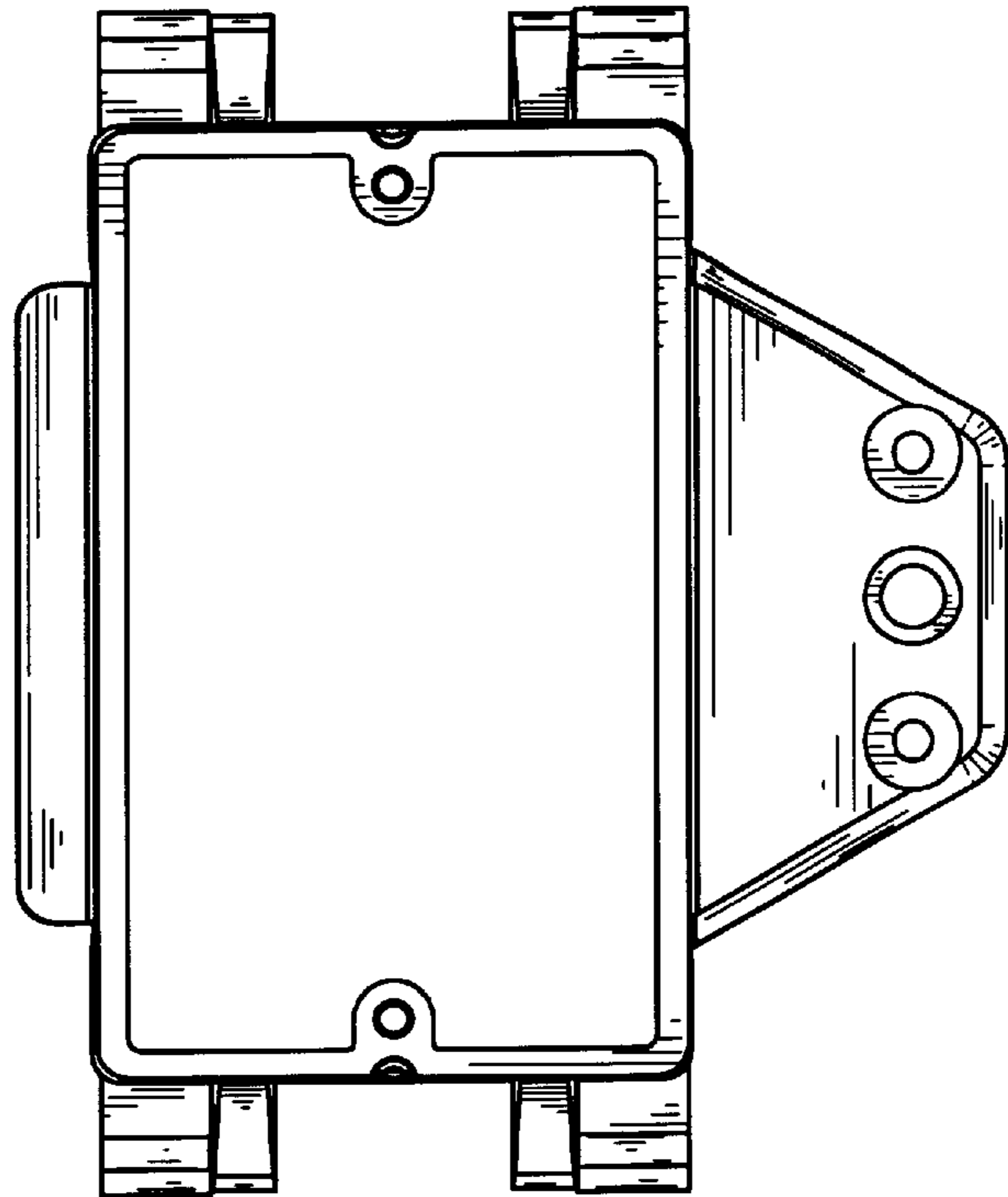


Fig.2

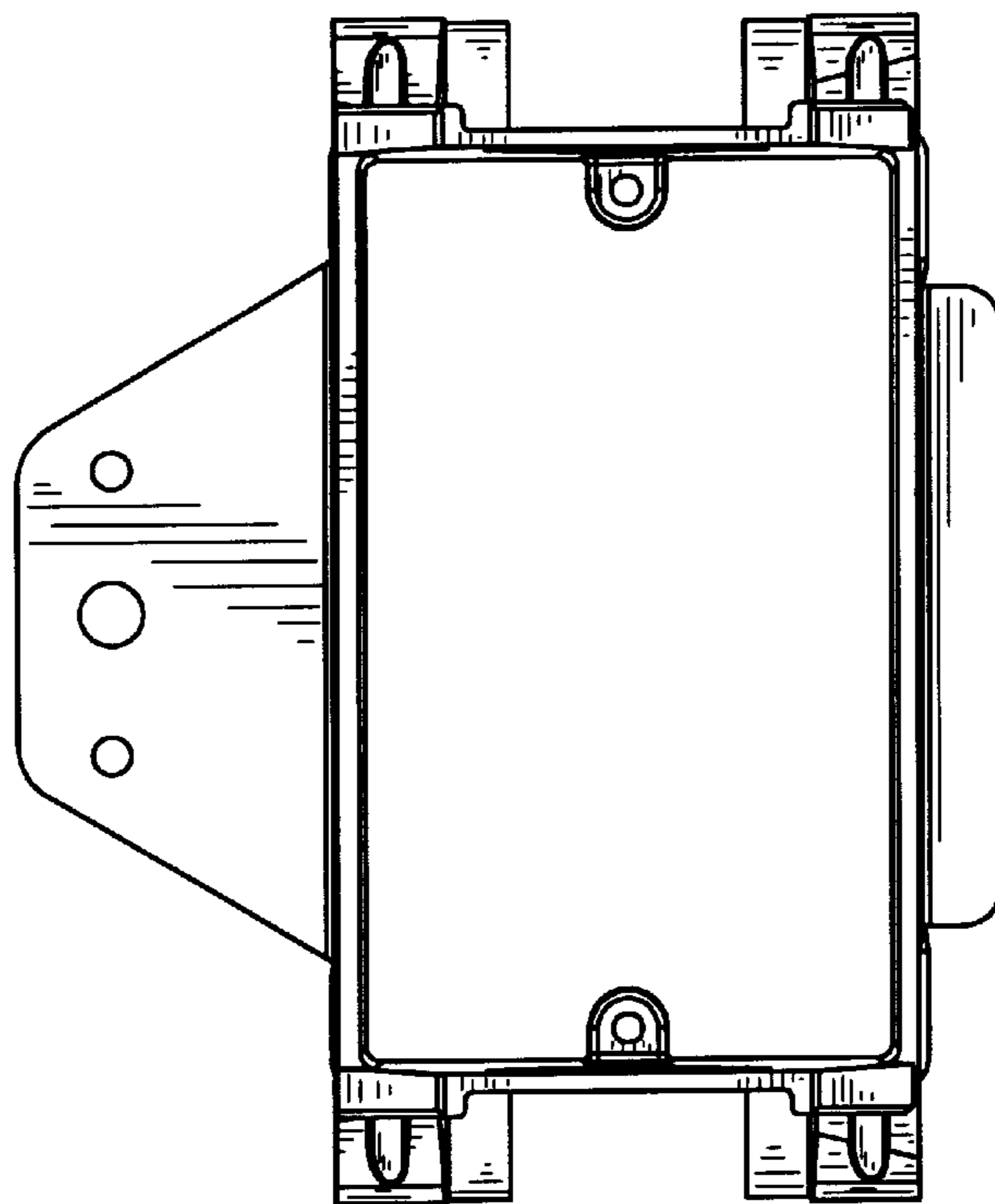


Fig.3

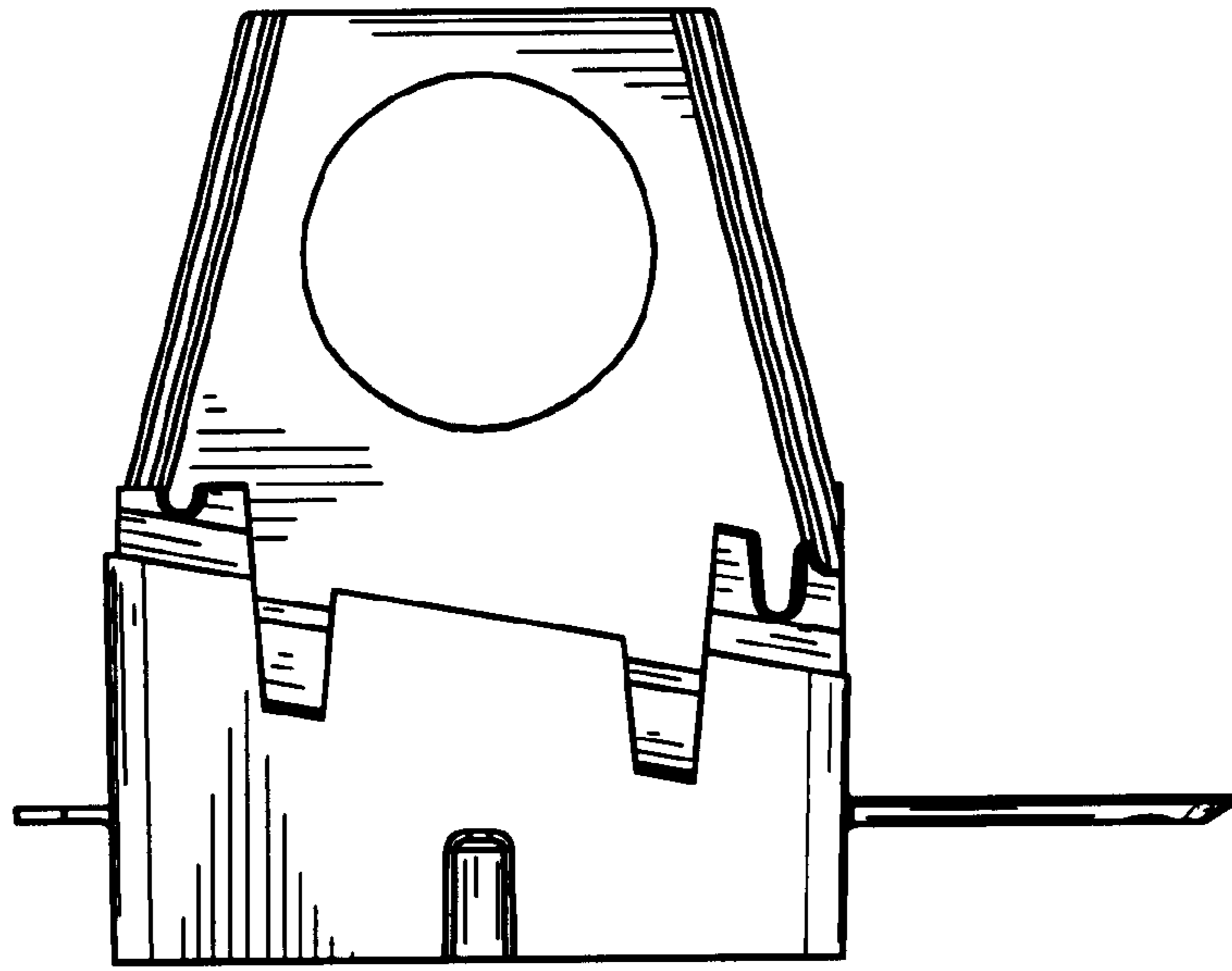


Fig.4

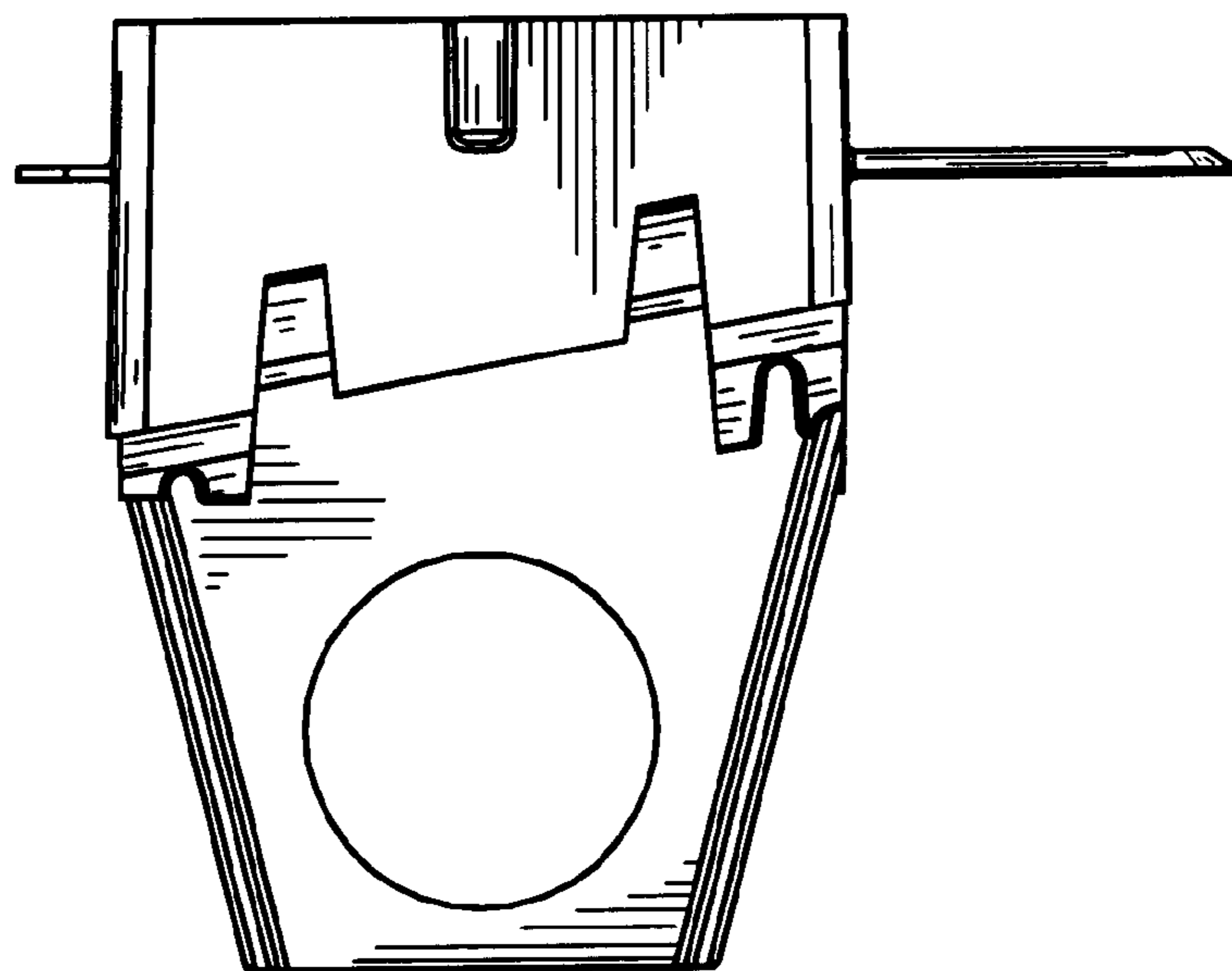


Fig.5

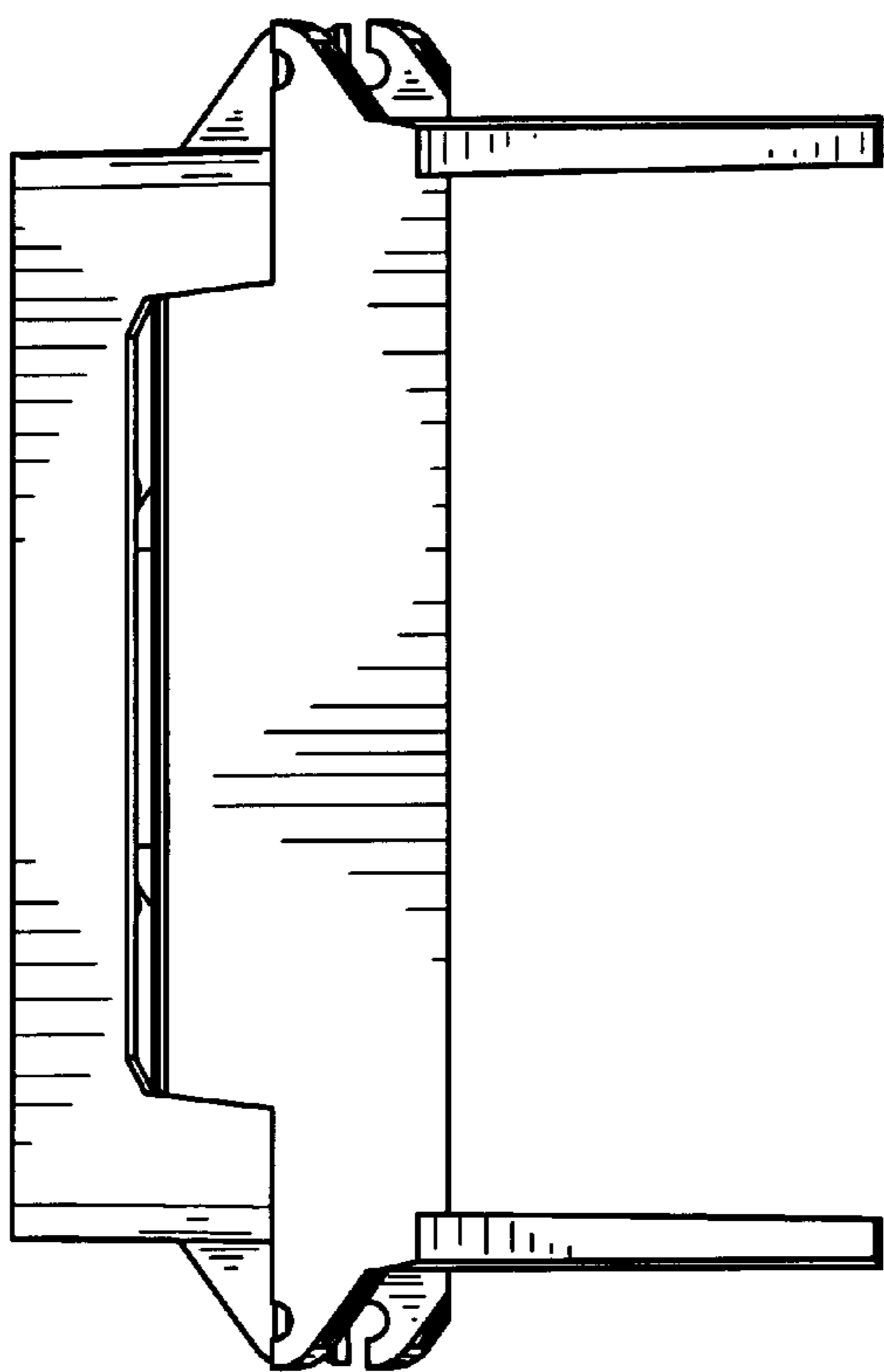


Fig.6

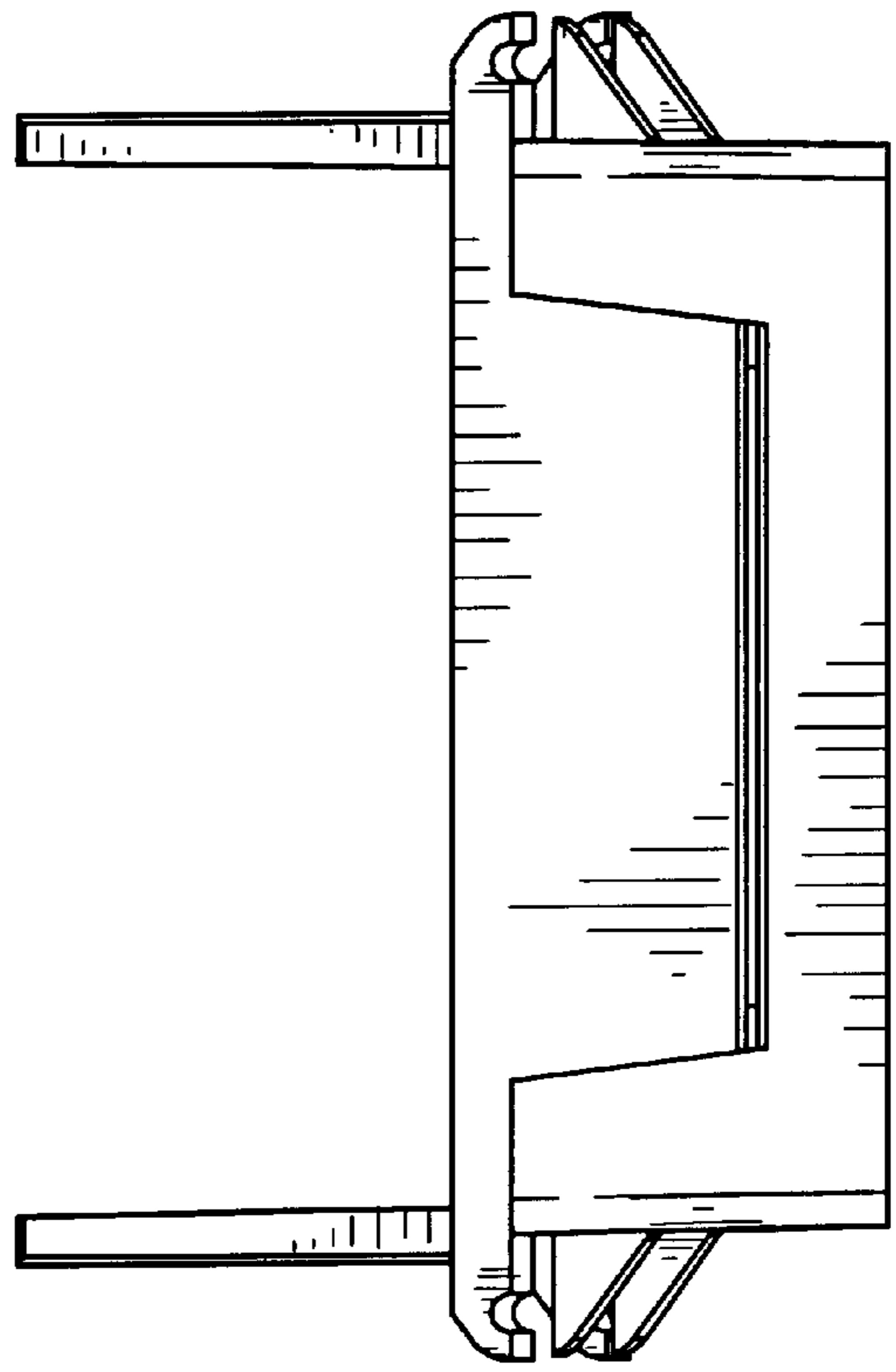


Fig.7

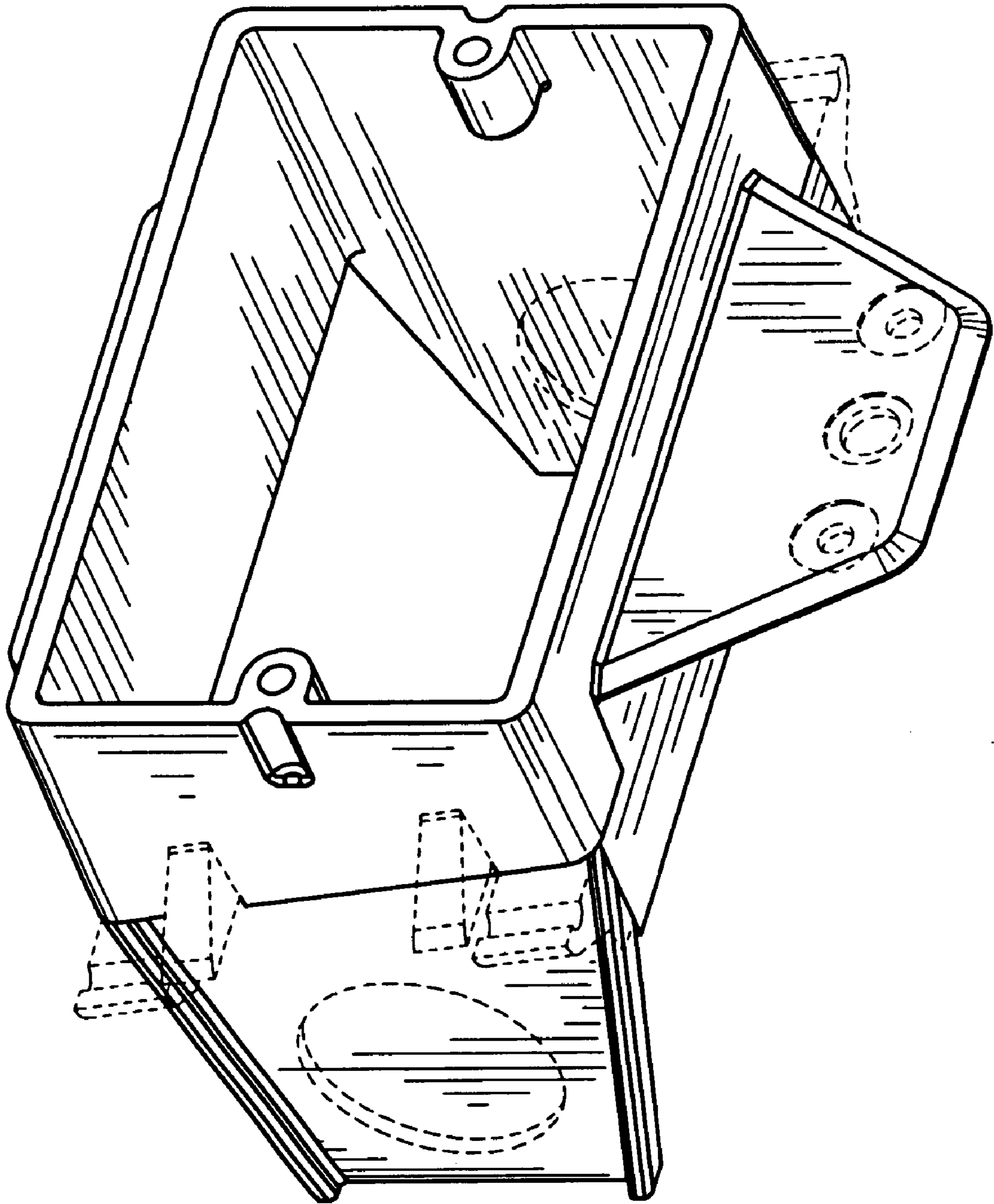


Fig.8

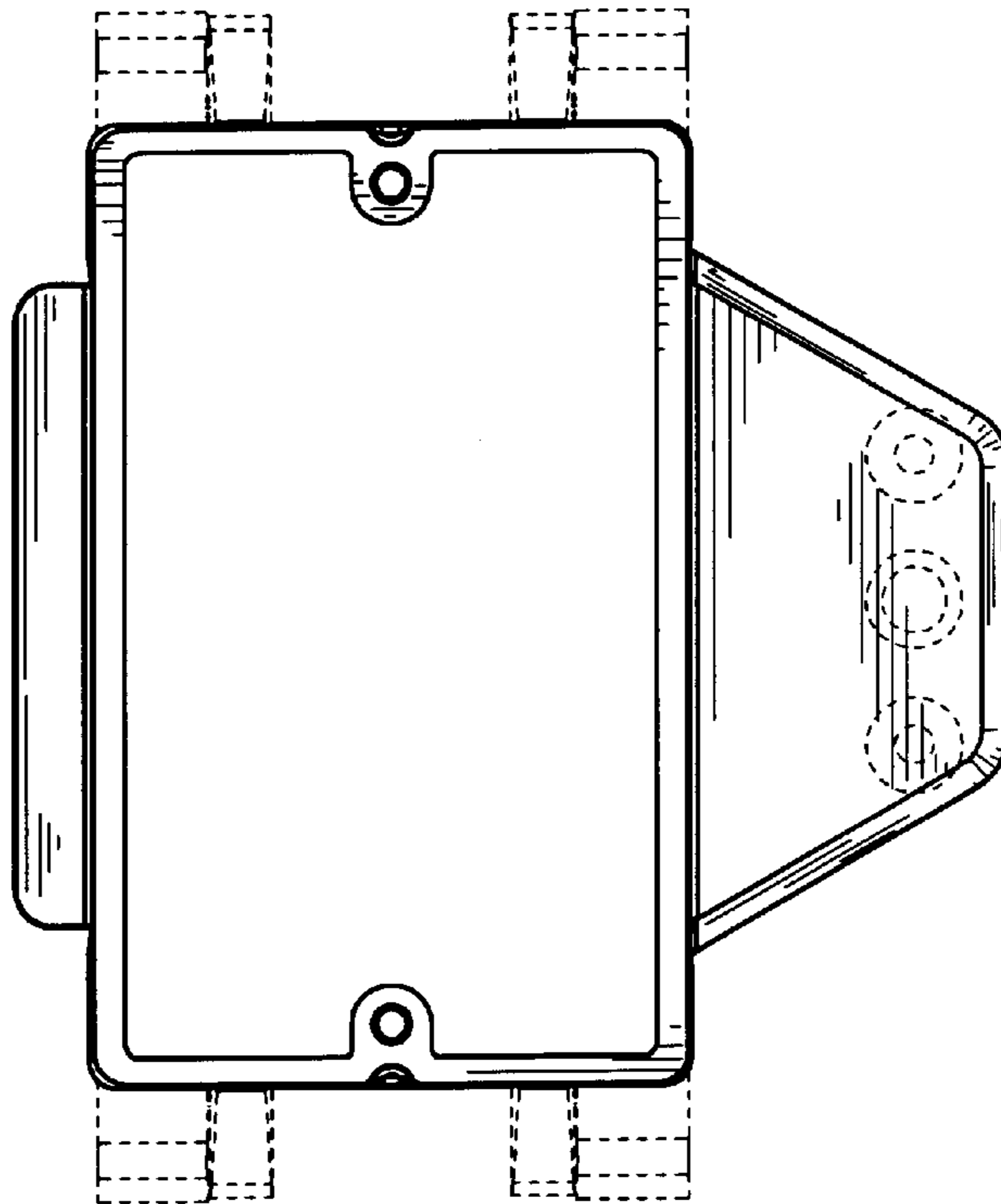


Fig.9

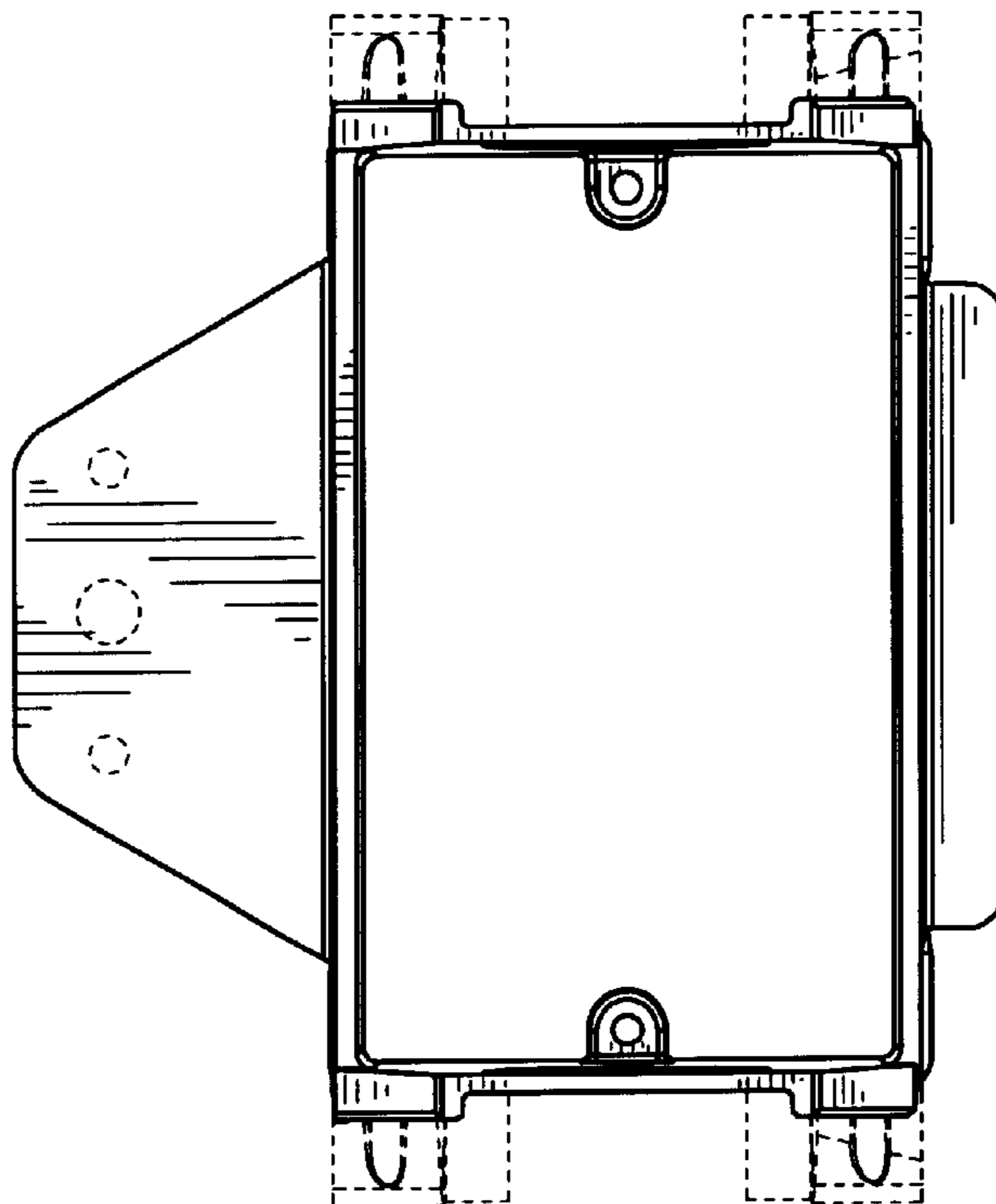


Fig.10



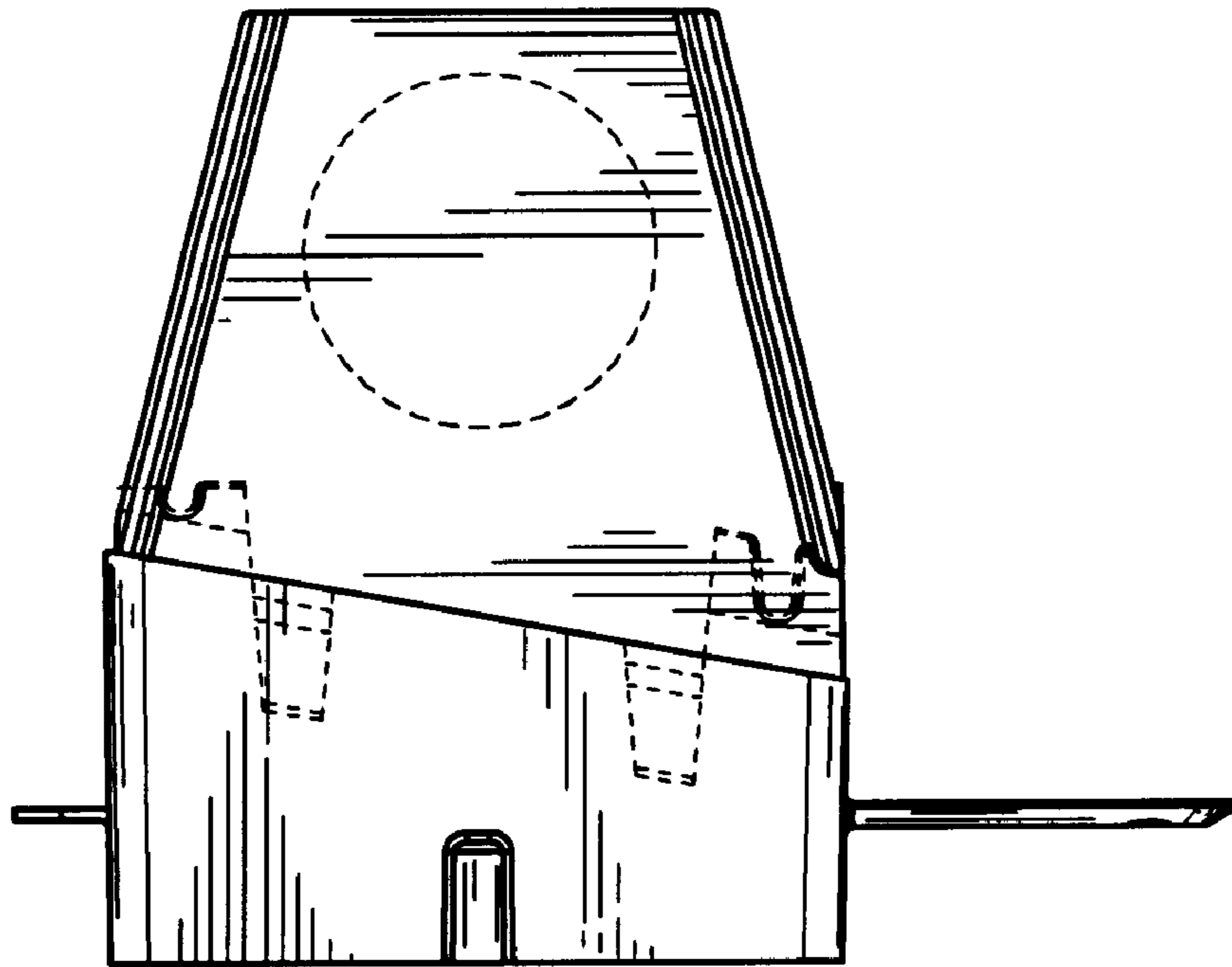


Fig.11

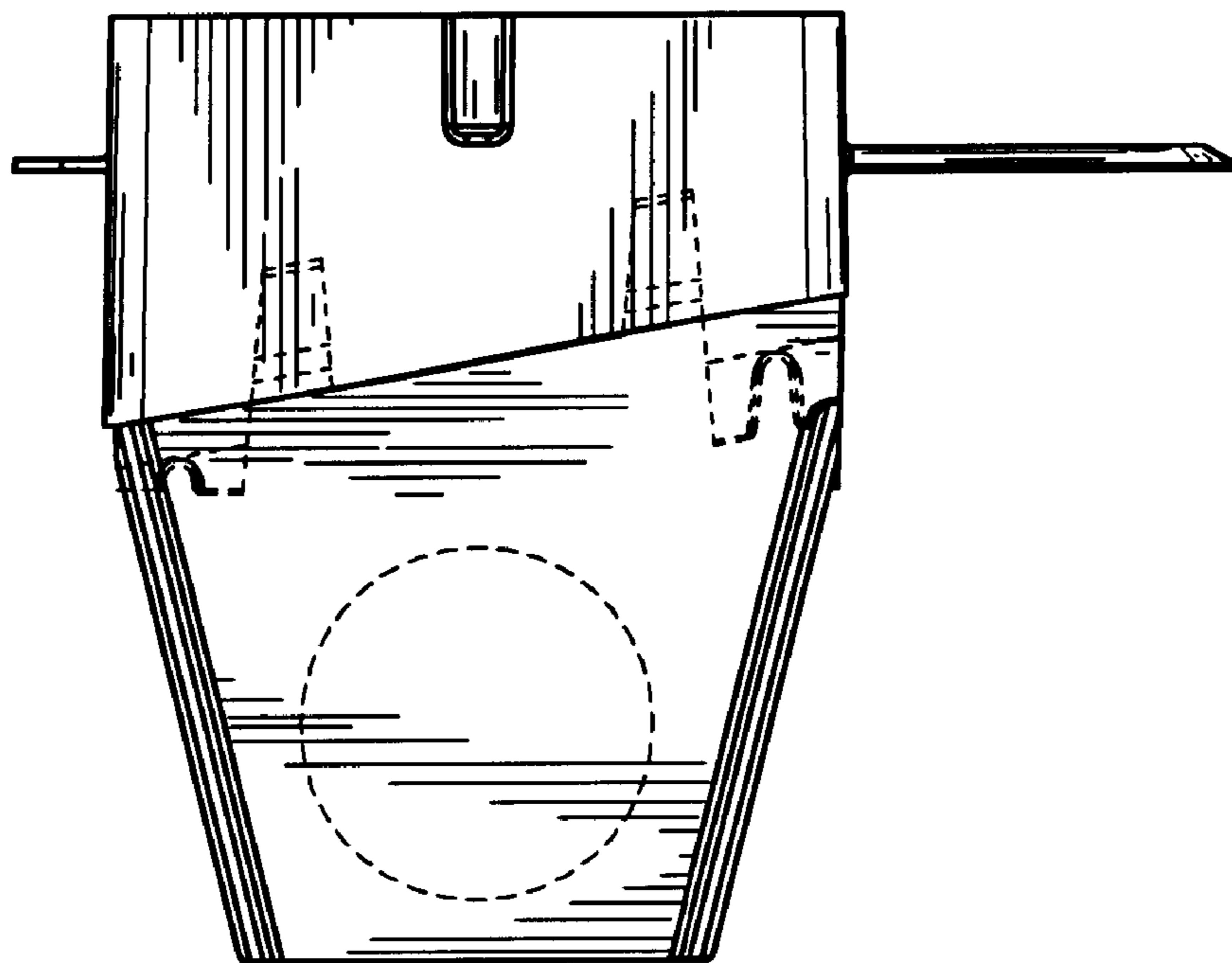


Fig.12

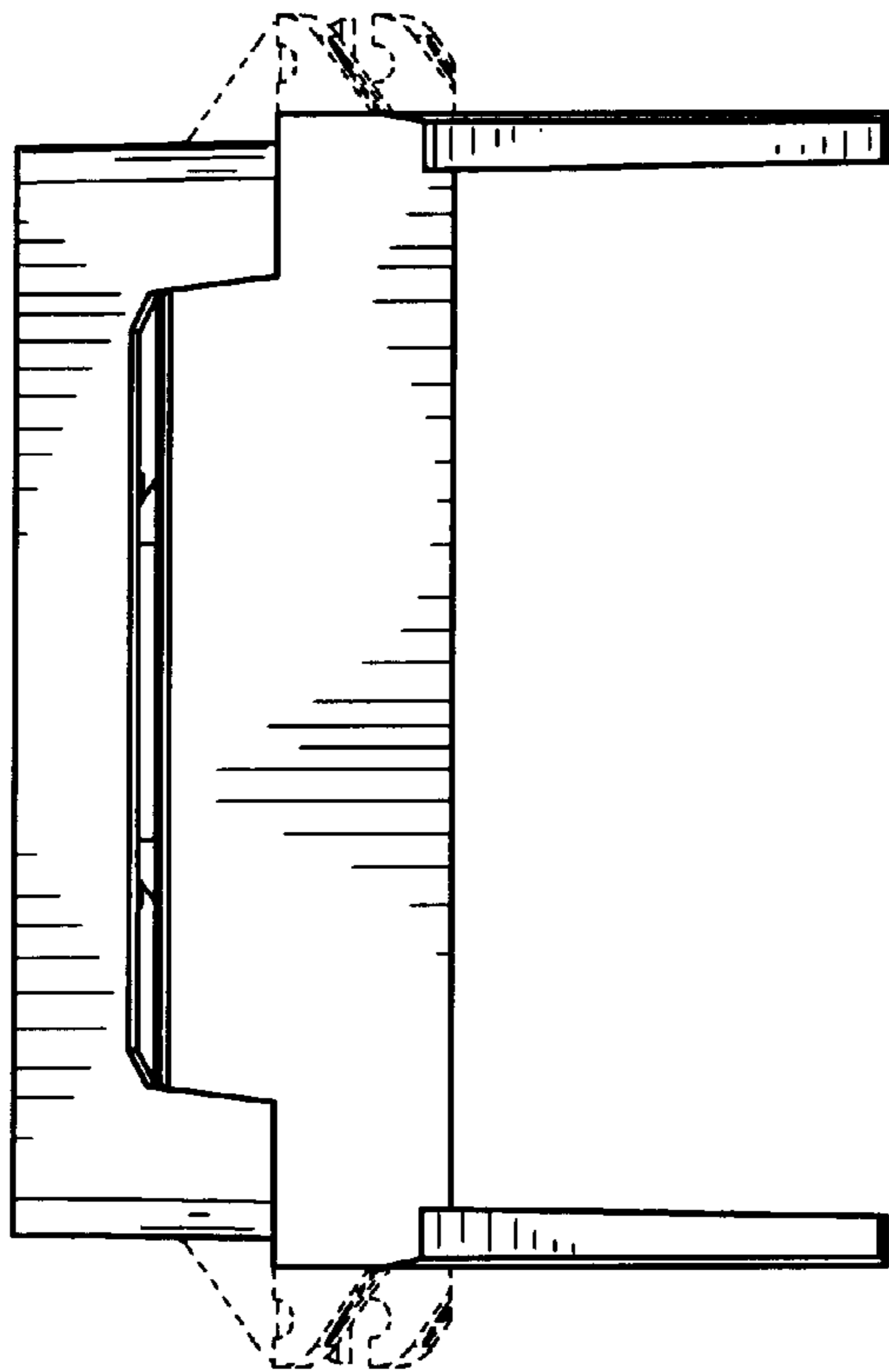


Fig.13

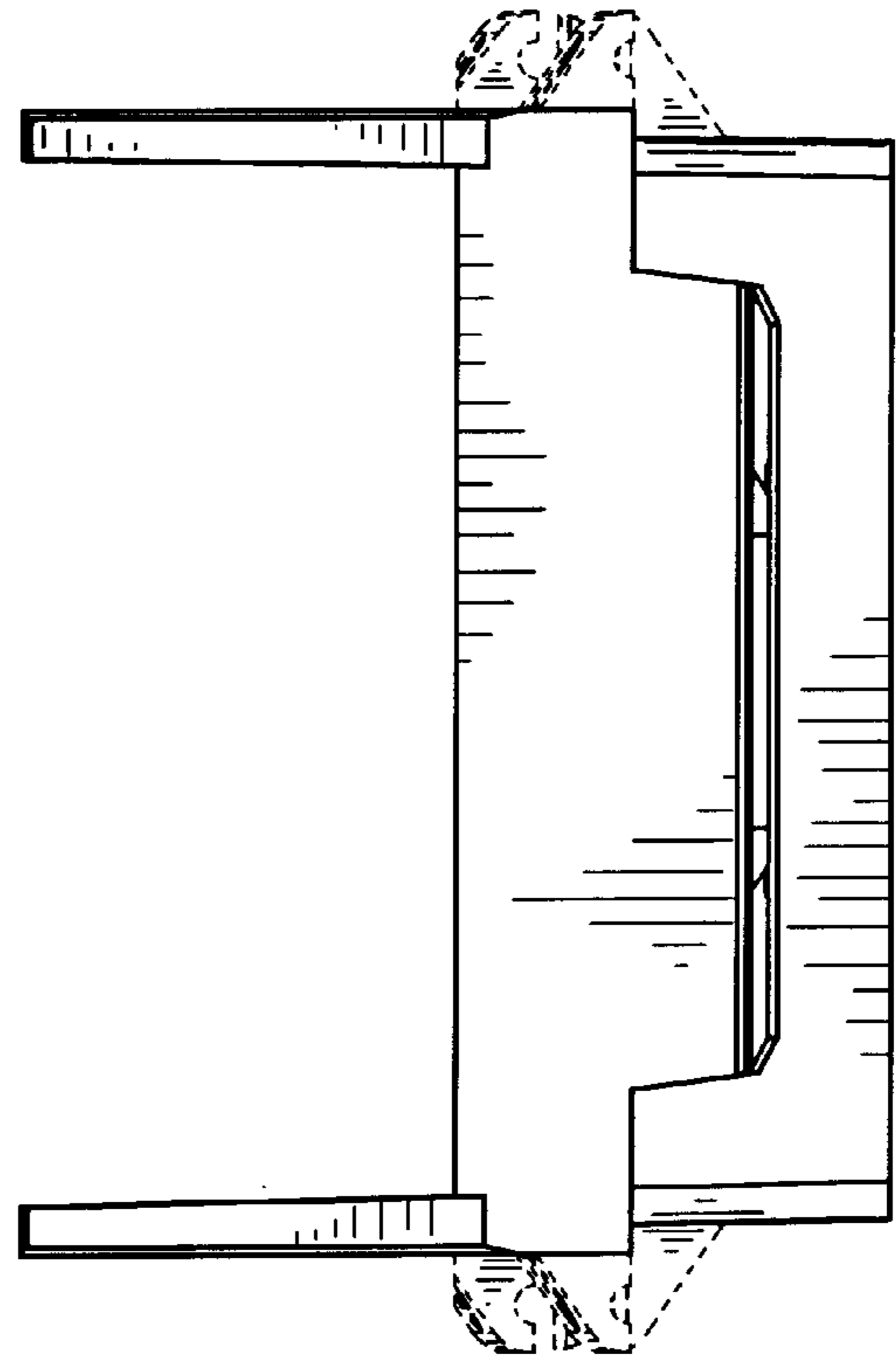


Fig.14