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

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(54) **ELECTROSTATIC ATOMIZED WATER
PARTICLE GENERATING MODULE**

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(JP)

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/182**

(58) **Field of Classification Search**

USPC D13/182; D21/386, 389; 239/690,
239/698, 695; 273/236, 239; 429/231.8,
429/209; 600/386, 391

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,052,797	A *	9/1936	Read	273/288
4,066,078	A *	1/1978	Berg	600/391
4,237,886	A *	12/1980	Sakurada et al.	606/32
4,326,720	A *	4/1982	Erlich	273/239
4,861,039	A *	8/1989	Phillips et al.	273/239
5,024,227	A *	6/1991	Schmid	600/391
D363,464	S *	10/1995	Fukasawa	D13/182
6,370,004	B1 *	4/2002	Yamaguchi	361/234
D546,784	S *	7/2007	Hayashi	D13/182
D548,200	S *	8/2007	Hayashi	D13/182
D548,705	S *	8/2007	Hayashi	D13/182
D553,104	S *	10/2007	Oohashi et al.	D13/182

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2010-023281	9/2010
JP	2010-023282	9/2010
JP	2010-023283	9/2010
JP	2010-023284	9/2010

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(57) **CLAIM**

The ornamental design for an electrostatic atomized water particle generating module, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, right side view of an electrostatic atomized water particle generating module showing our new design;

FIG. 2 is a rear, top, left side perspective view thereof;

FIG. 3 is a rear, right side perspective view thereof;

FIG. 4 is a rear, top perspective view thereof;

FIG. 5 is a rear, left side perspective view thereof;

FIG. 6 is a front view thereof;

FIG. 7 is a right side view thereof;

FIG. 8 is a top plan view thereof;

FIG. 9 is a rear view thereof;

FIG. 10 is a bottom plan view thereof;

FIG. 11 is a left side view thereof;

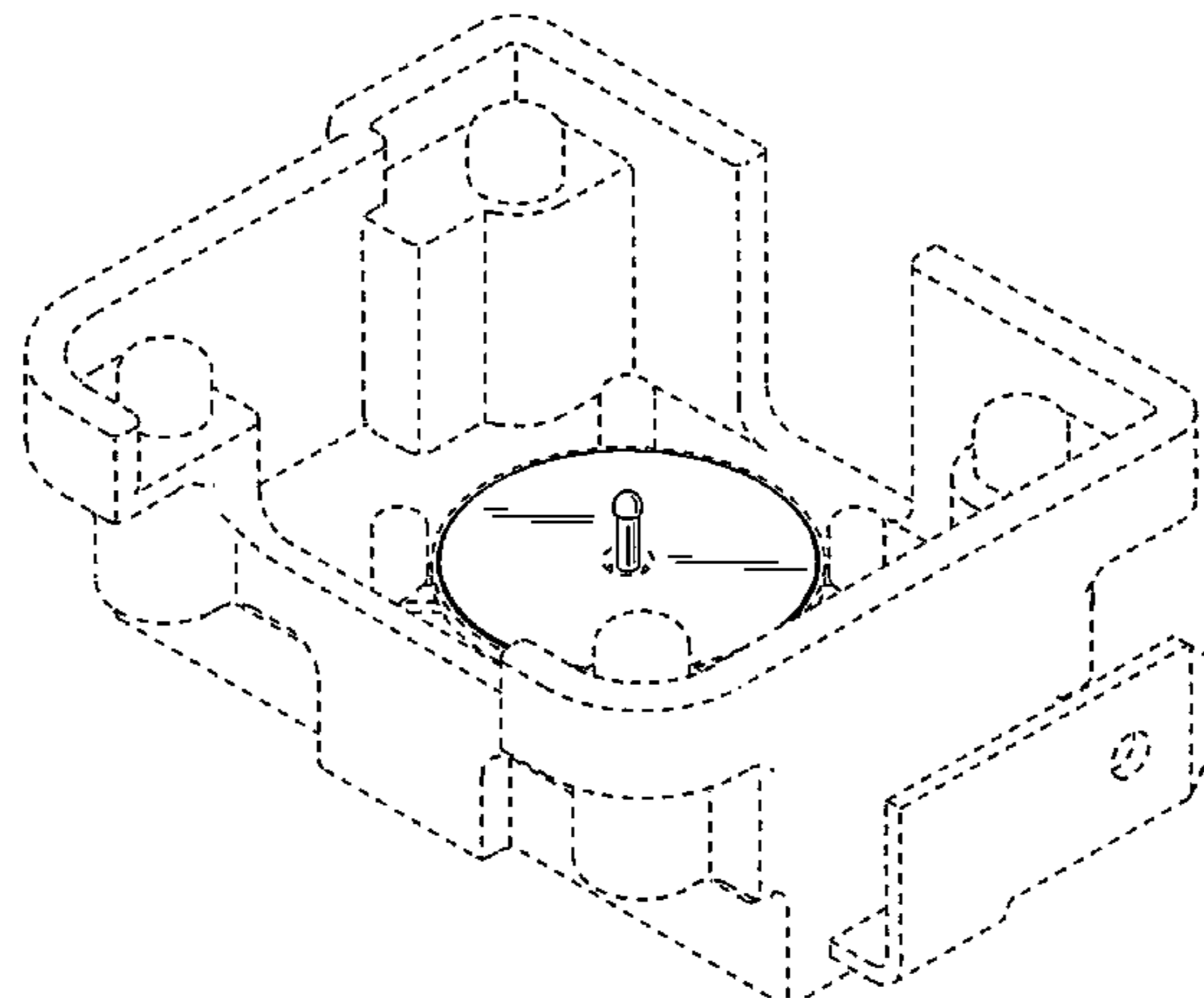
FIG. 12 is a cross sectional view taken along lines 12-12 of FIG. 8;

FIG. 13 is a cross sectional view taken along lines 13-13 of FIG. 6; and,

FIG. 14 is another front, top, right side perspective view thereof, showing a discharge electrode by removing an opposite electrode shown in broken lines in FIGS. 1-13.

The broken lines shown in the drawings represent portions of the electrostatic atomized water particle generating module that form no part of the claimed design.

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D570,310 S * 6/2008 Sasaki D13/182
7,457,098 B2 * 11/2008 Nakamura 361/234
D587,222 S * 2/2009 Sasaki et al. D13/182
D609,655 S * 2/2010 Sugimoto D13/182
7,874,503 B2 * 1/2011 Imahori et al. 239/695
D654,883 S * 2/2012 Honma et al. D13/182
D654,884 S * 2/2012 Honma et al. D13/182
D655,257 S * 3/2012 Honma et al. D13/182

D655,259 S * 3/2012 Honma et al. D13/182
D681,571 S * 5/2013 Omori et al. D13/182
D681,572 S * 5/2013 Omori et al. D13/182
D682,226 S * 5/2013 Omori et al. D13/182
2009/0001200 A1 * 1/2009 Imahori et al. 239/700
2010/0187338 A1 * 7/2010 Yano et al. 239/690
2011/0101134 A1 * 5/2011 Yano et al. 239/690
2011/0240772 A1 * 10/2011 Nakano et al. 239/690
2012/0067986 A1 * 3/2012 Kobayashi et al. 239/690
2012/0160940 A1 * 6/2012 Omori et al. 239/690

* cited by examiner

Fig.1

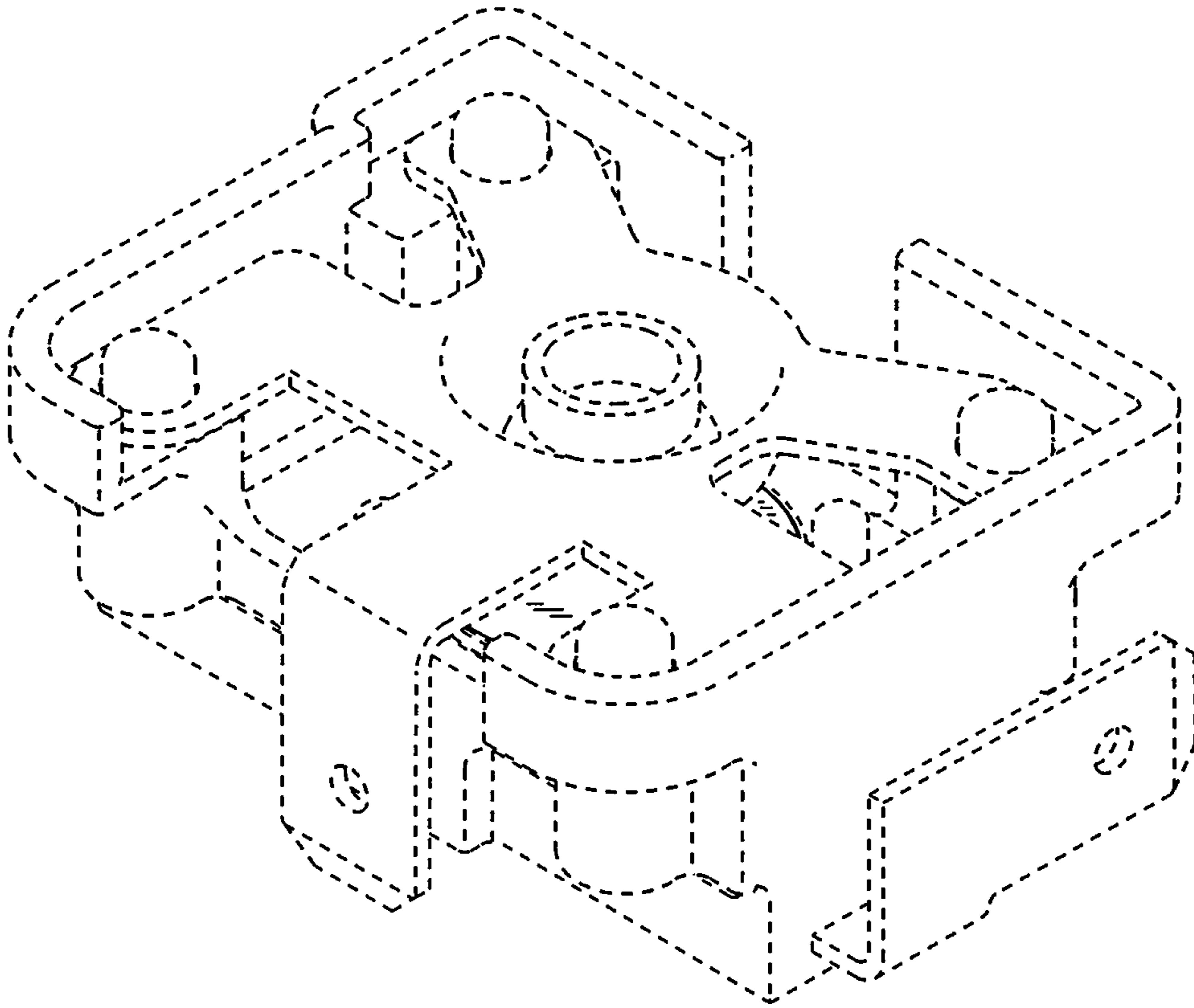


Fig.2

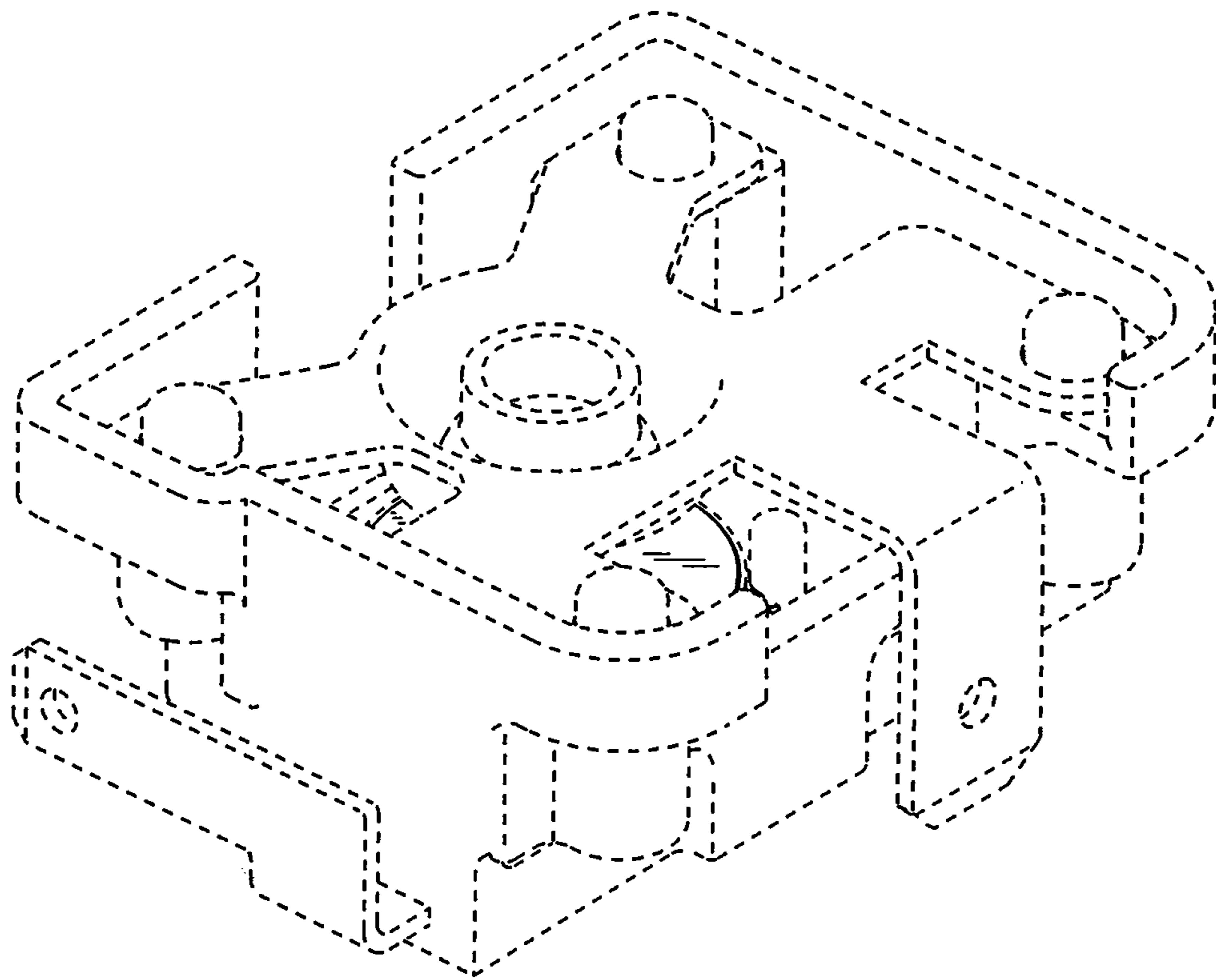


Fig.3

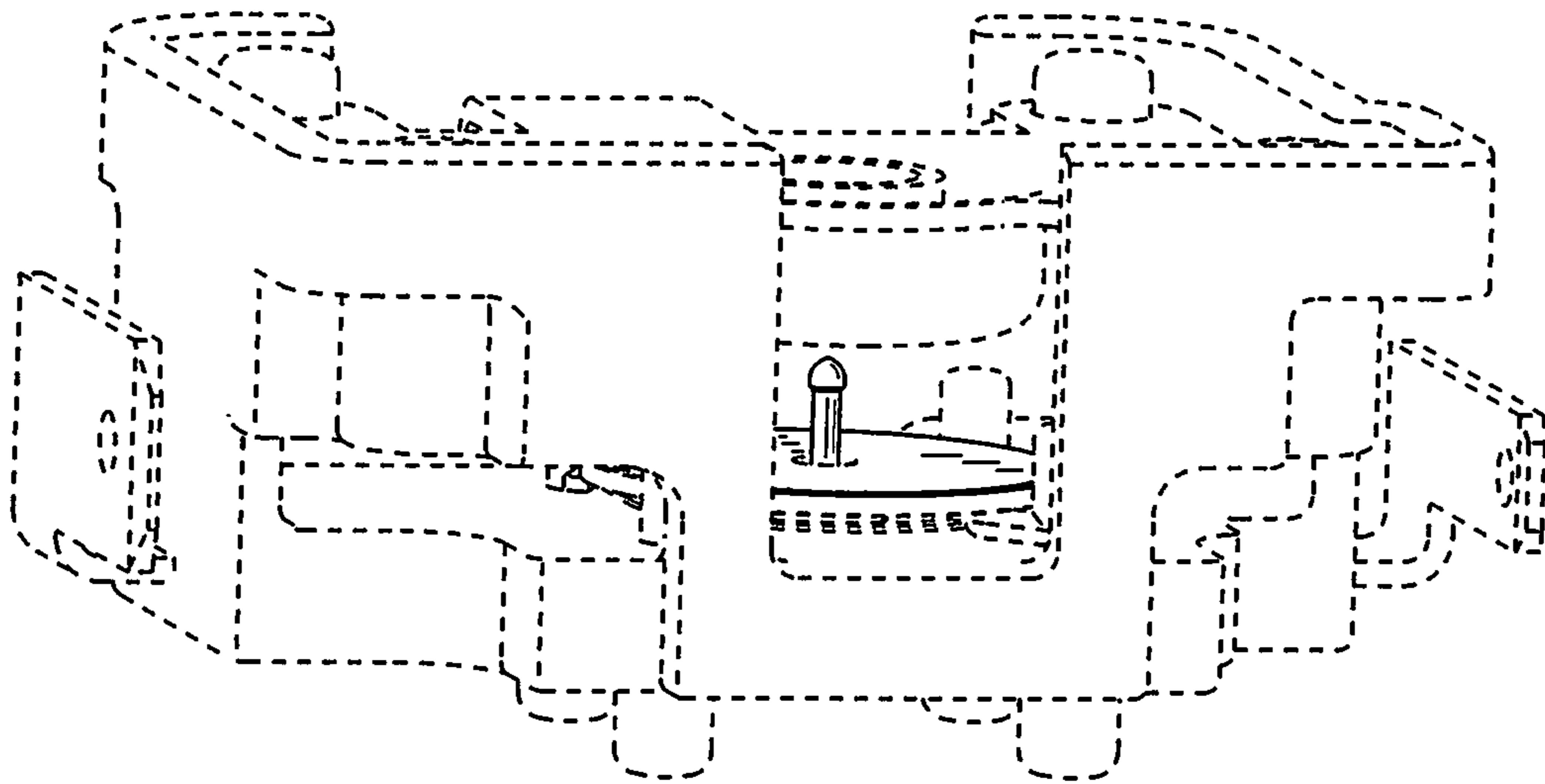


Fig.4

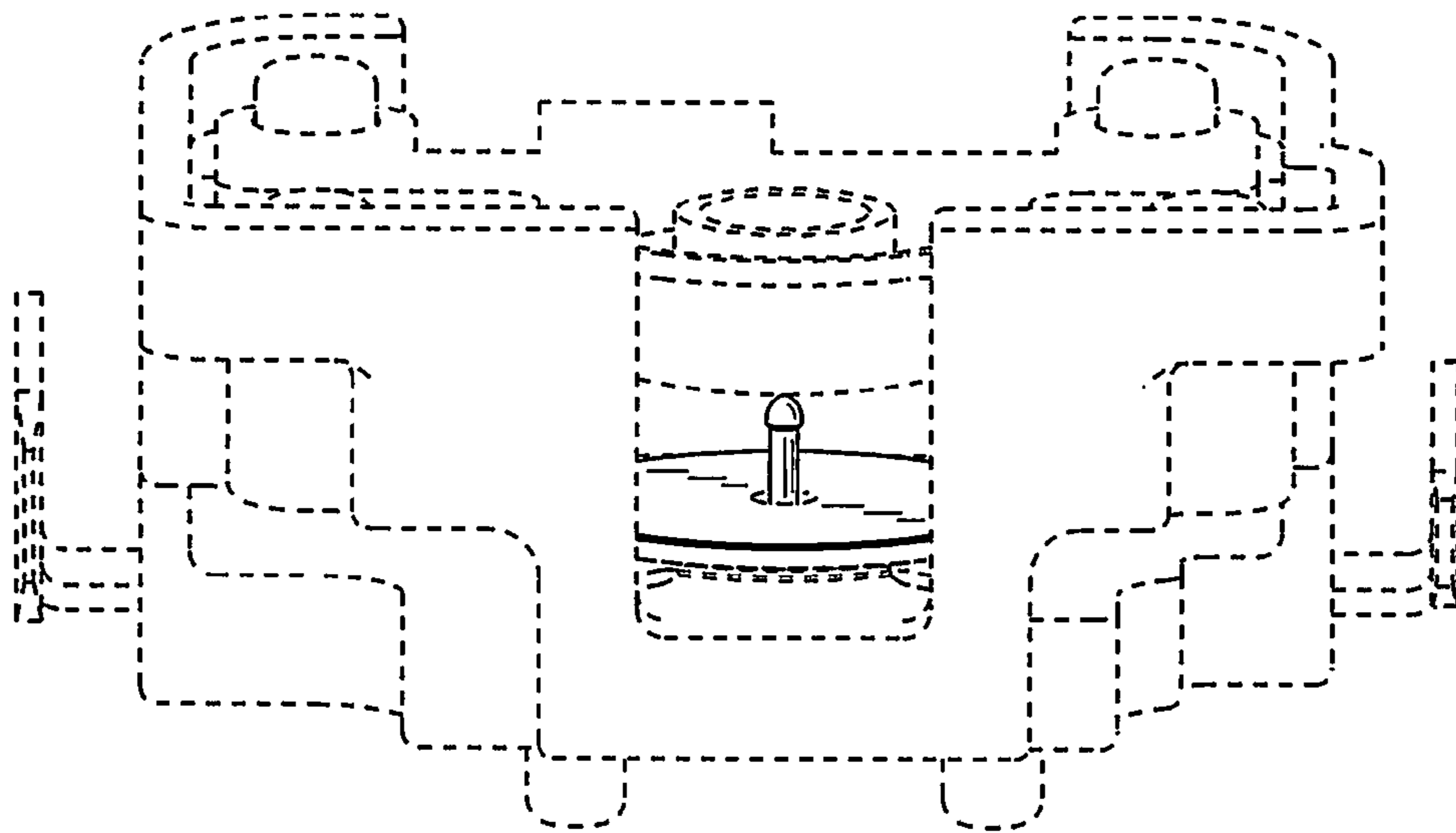


Fig.5

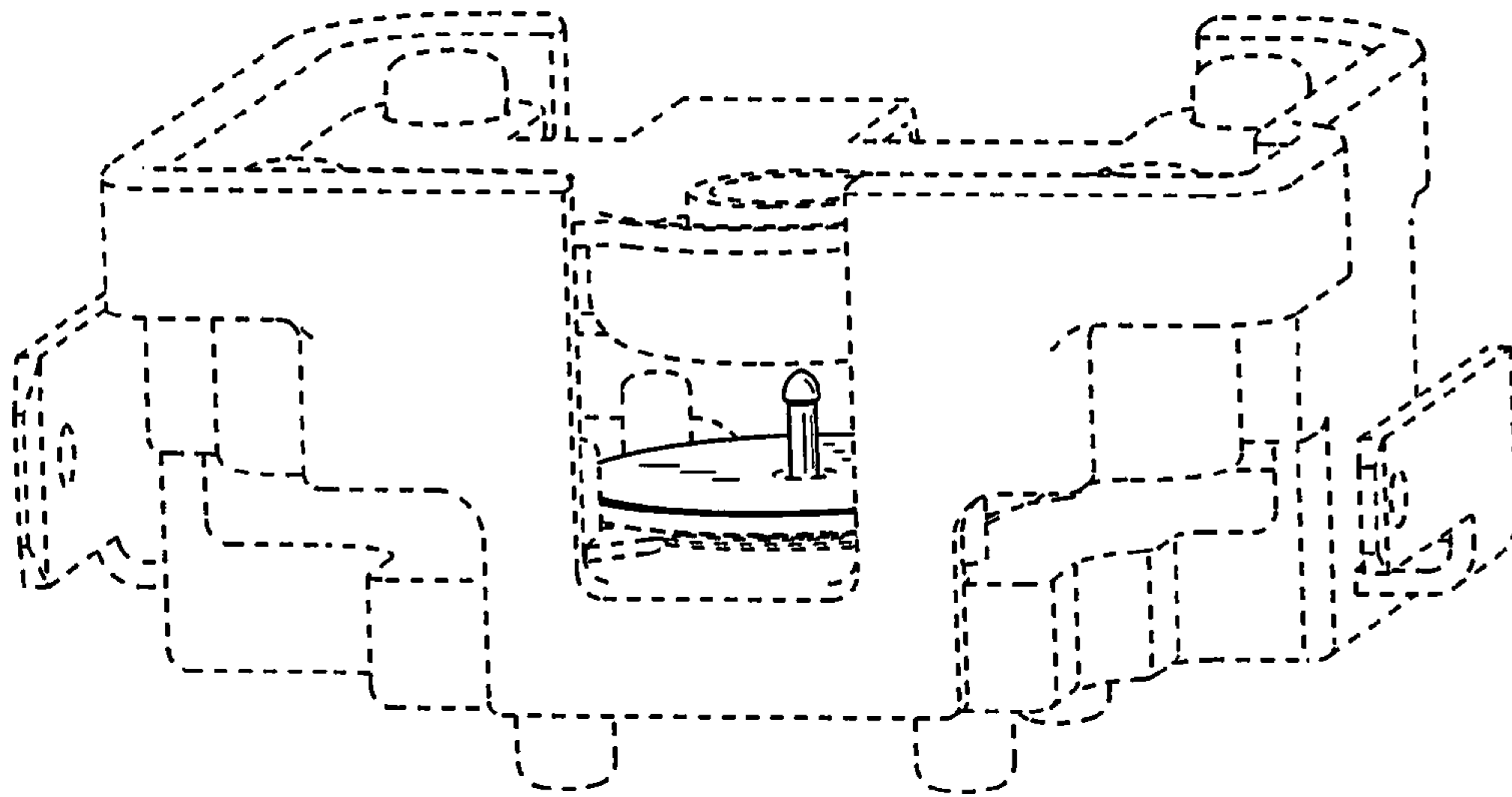


Fig.6

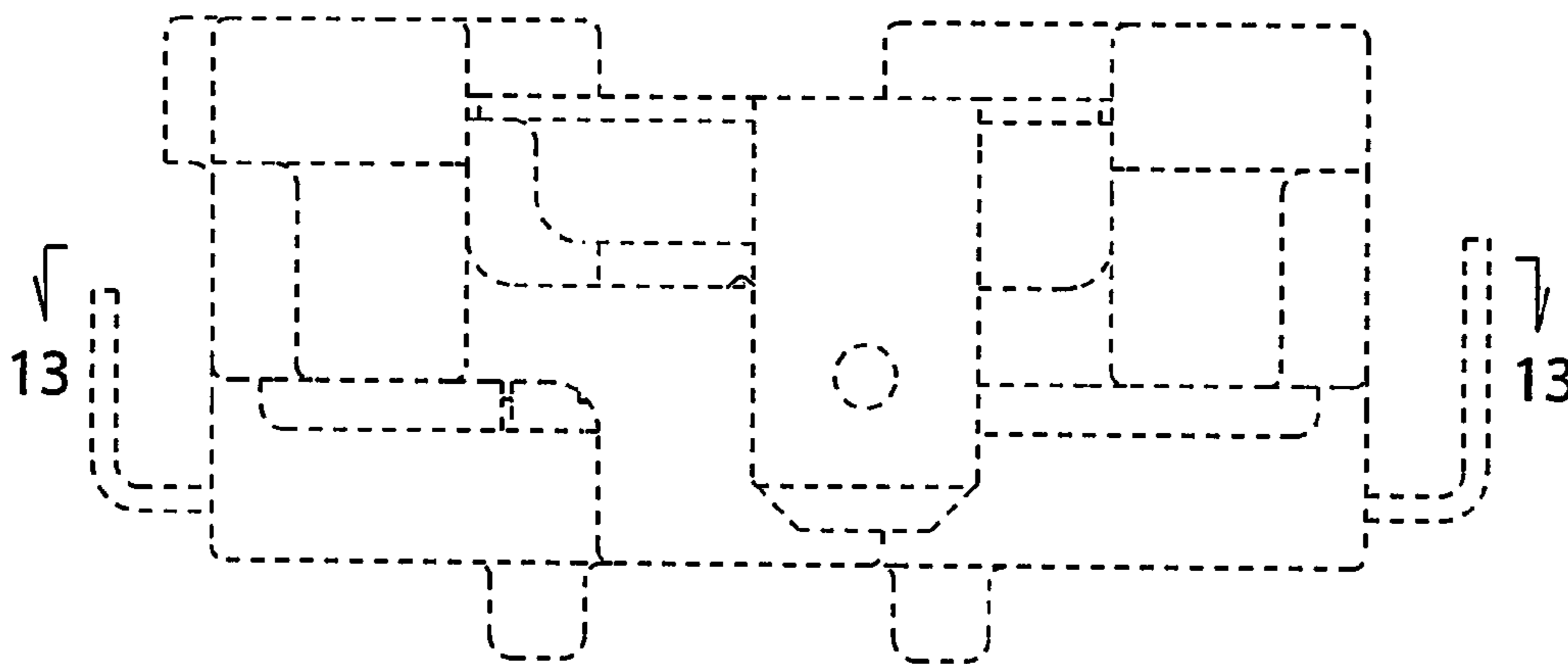


Fig.7

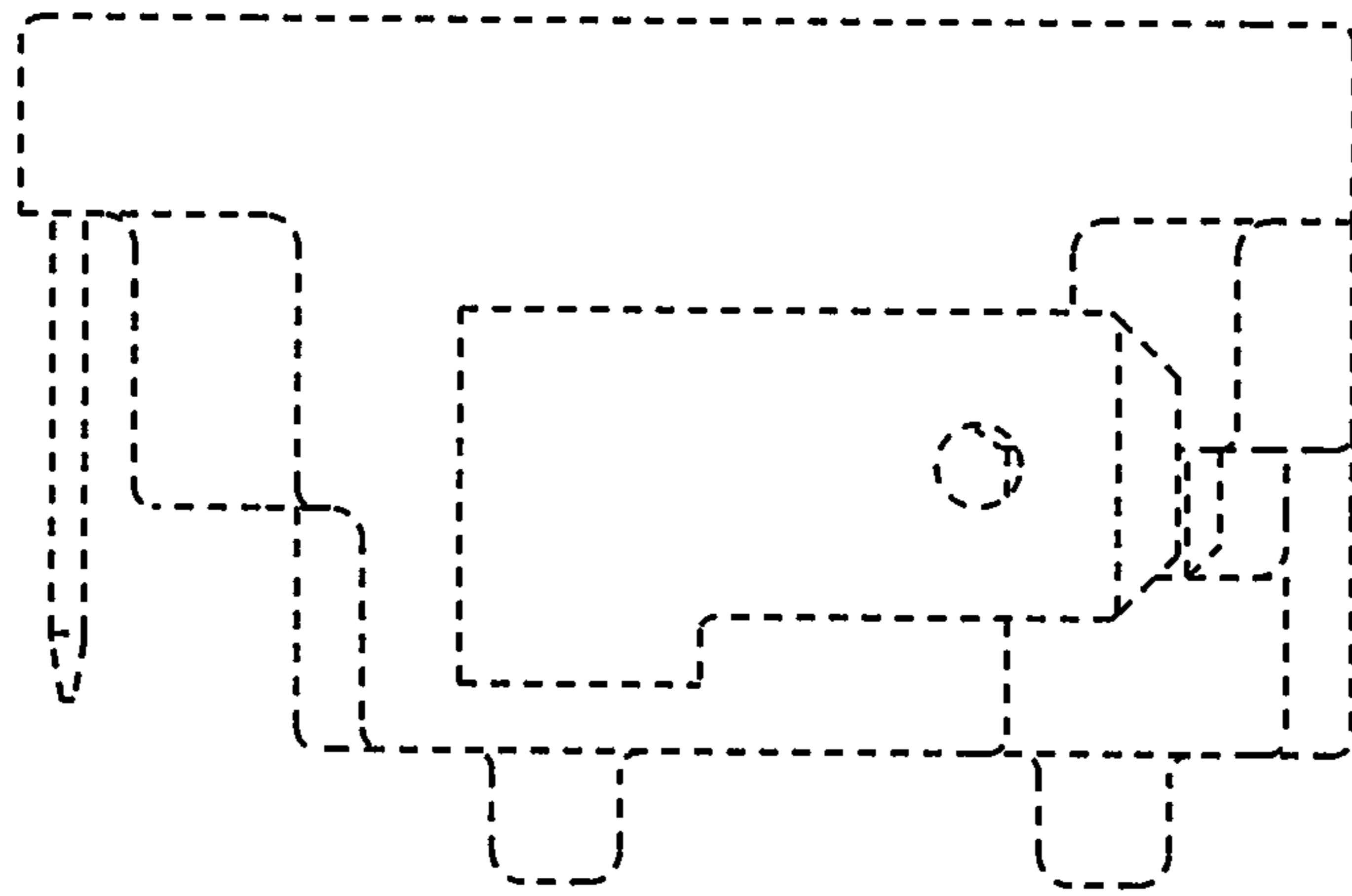


Fig.8

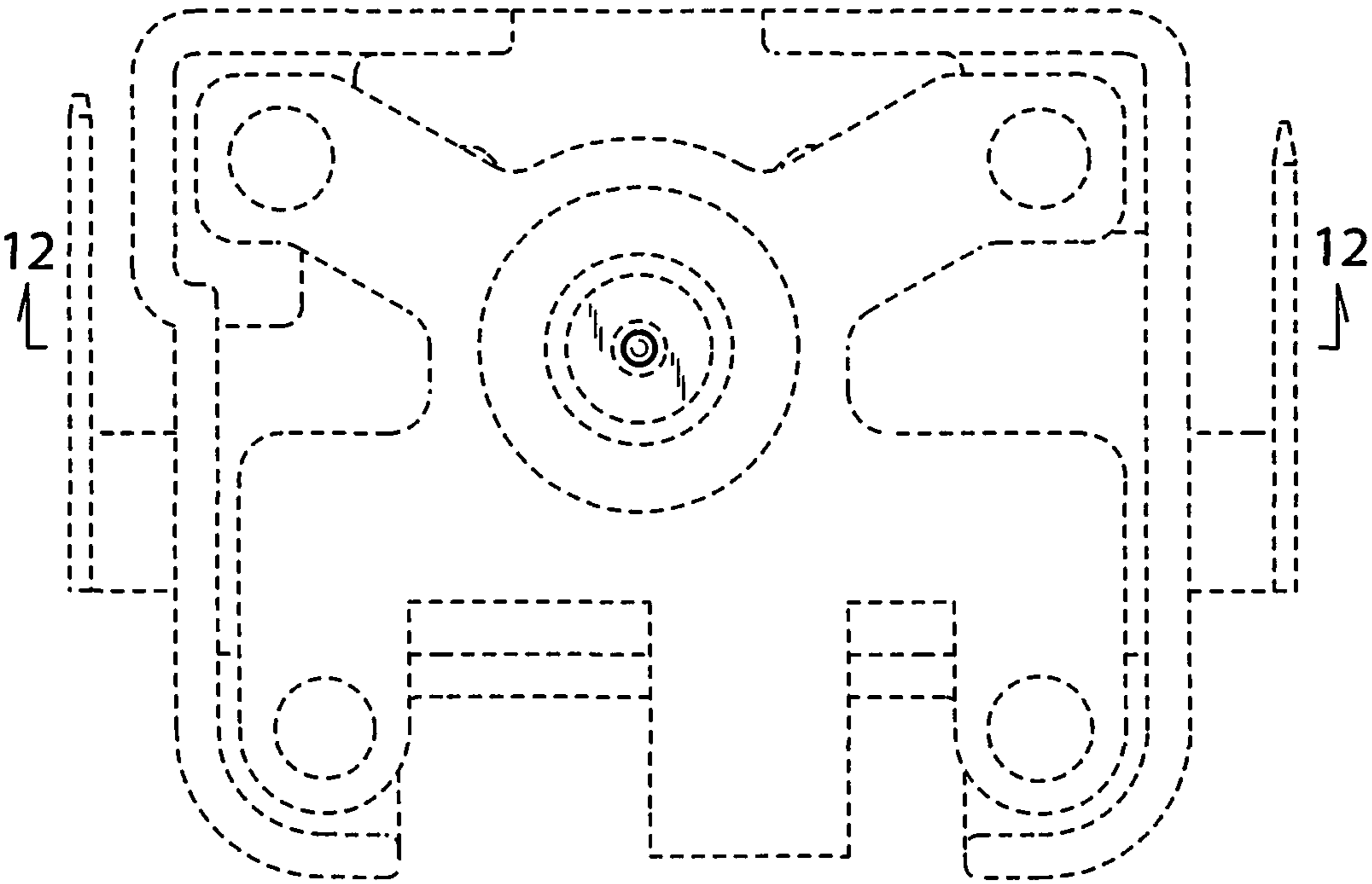


Fig.9

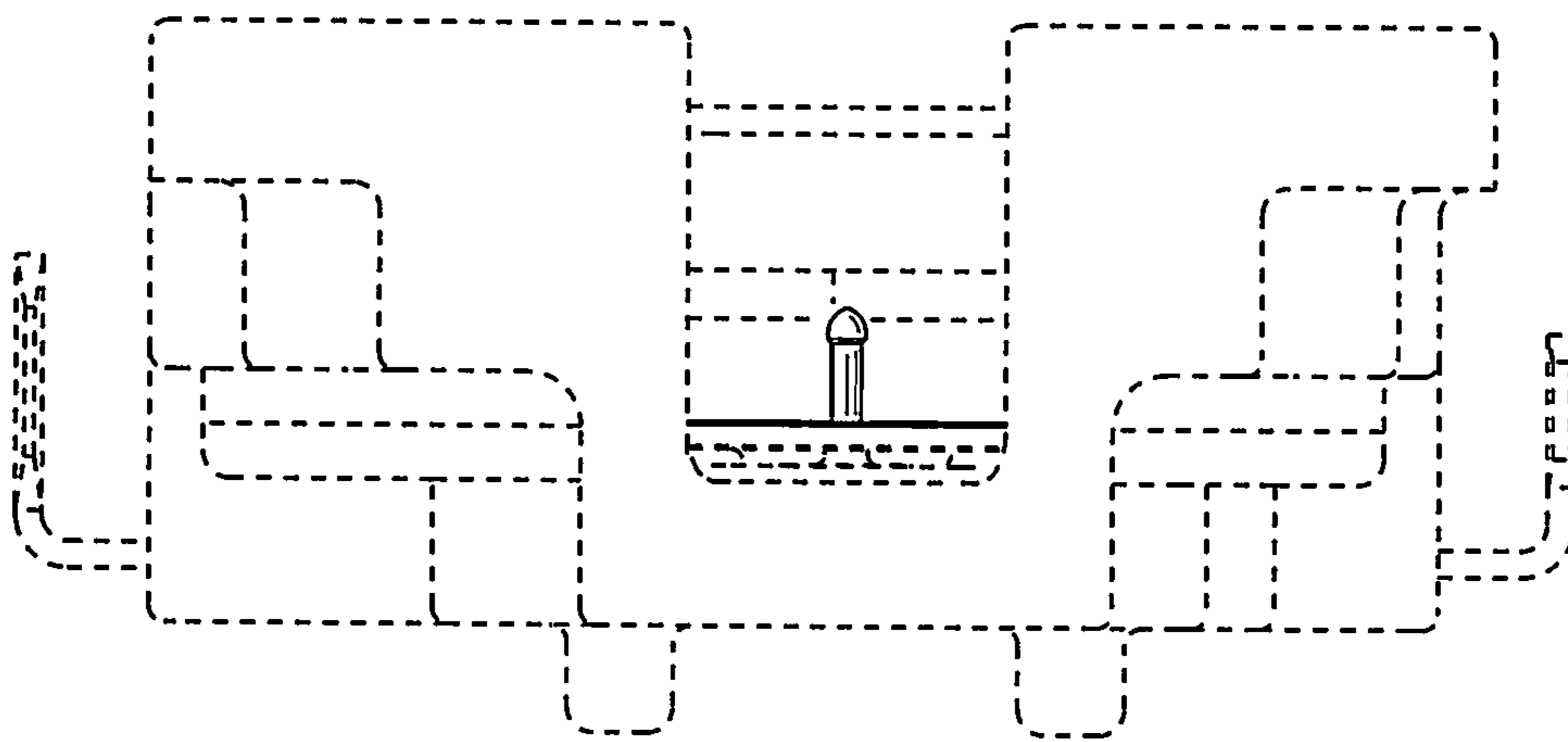


Fig.10

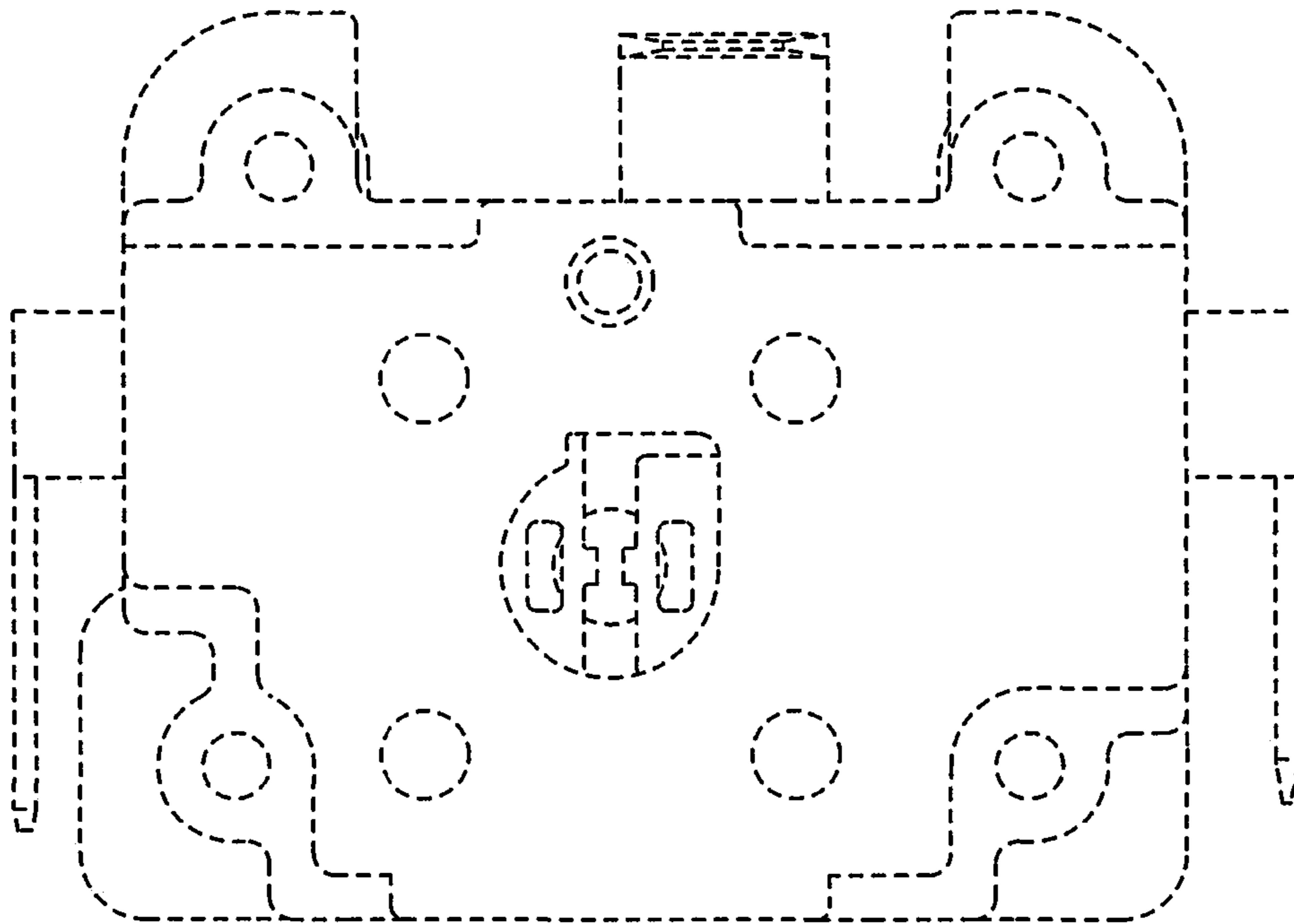


Fig.11

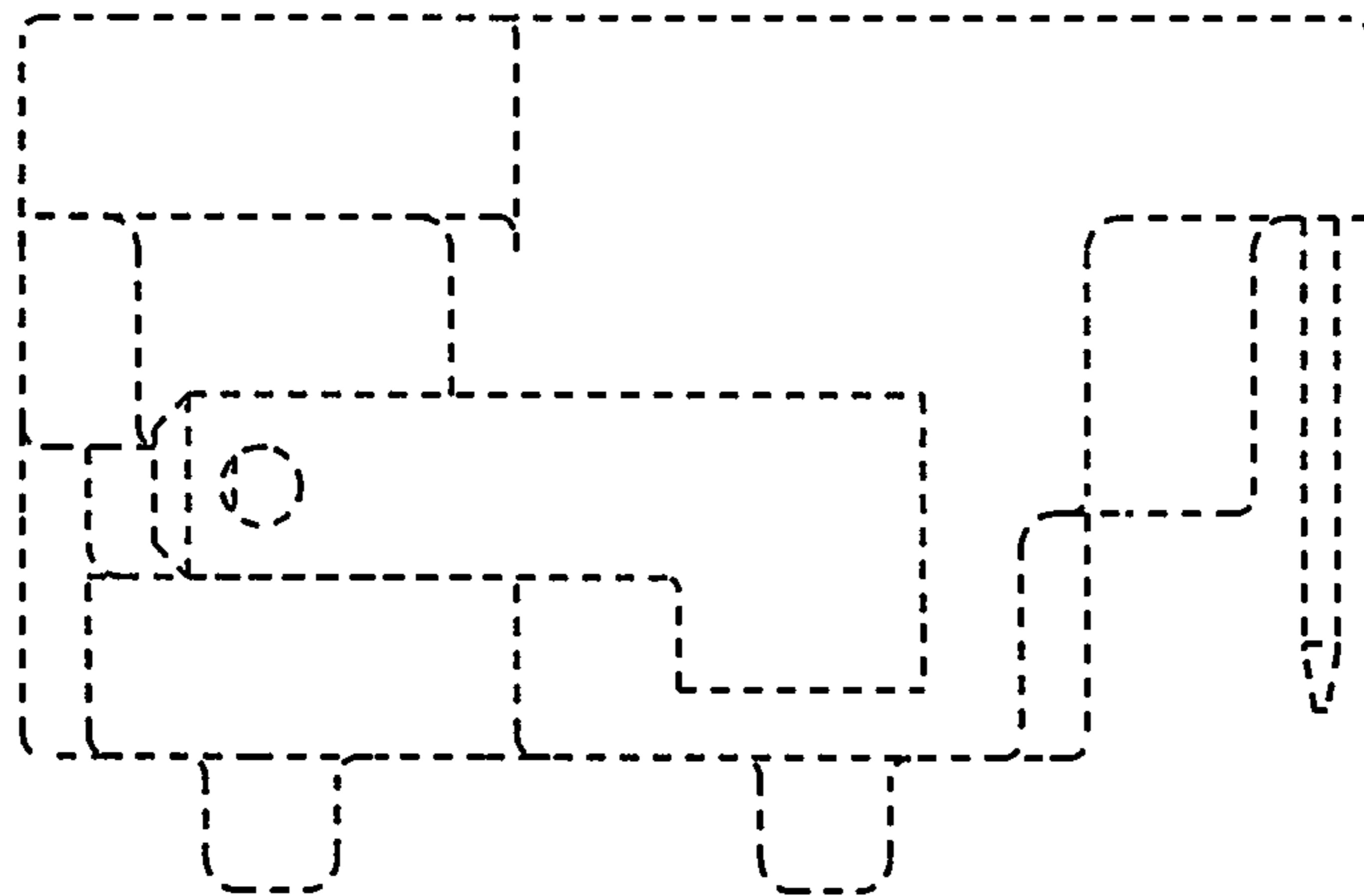


Fig.12

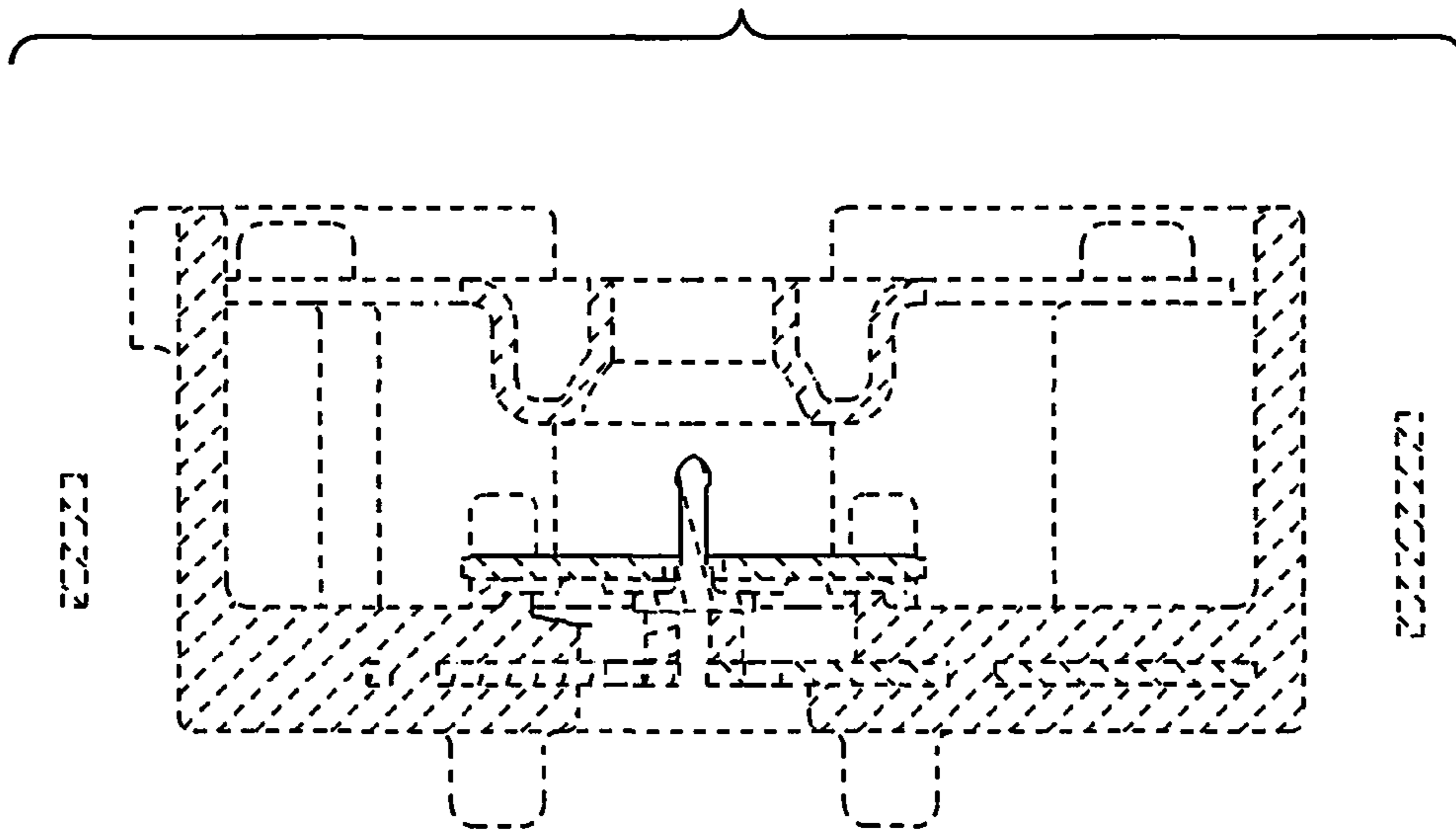


Fig. 13

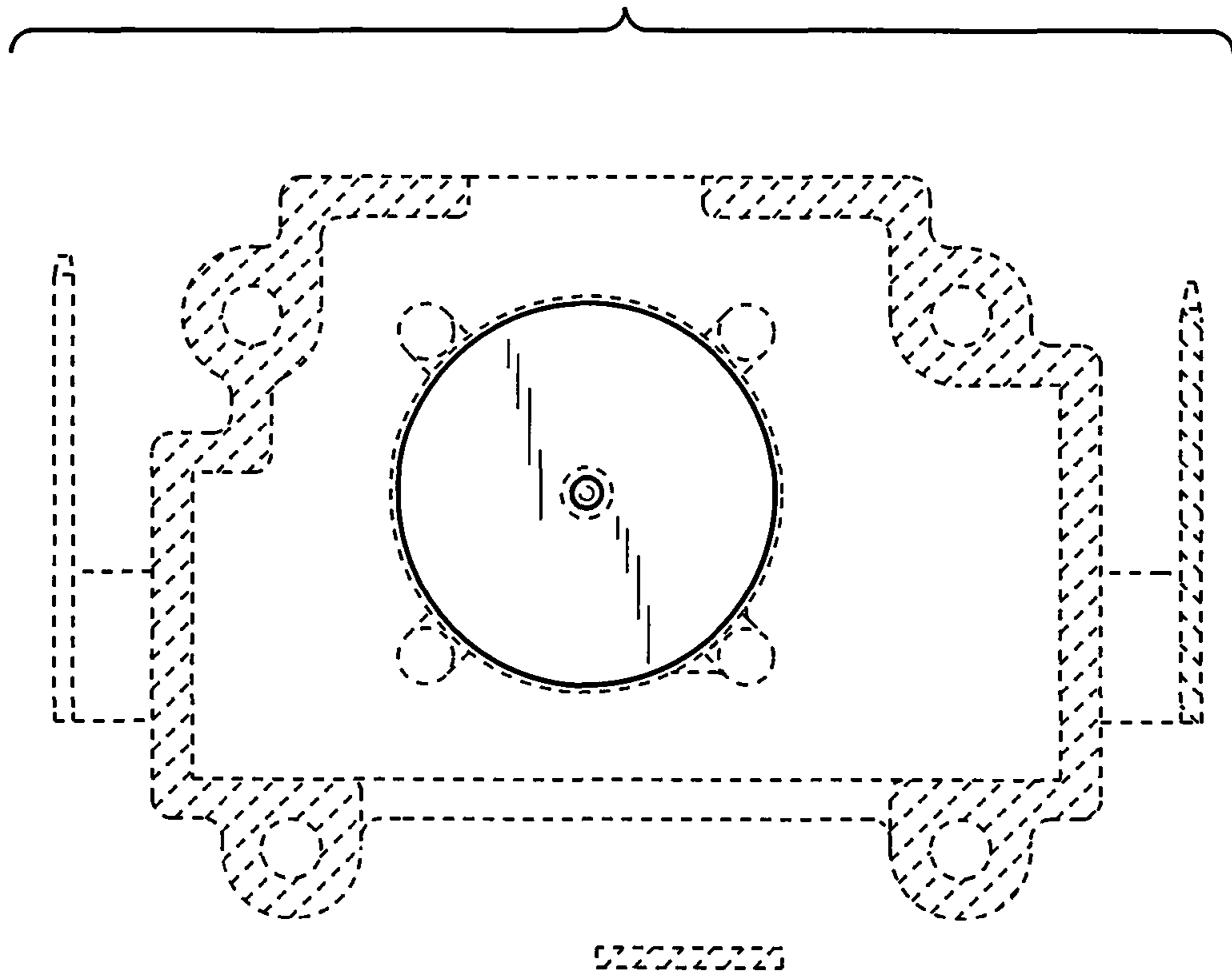


Fig.14

