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(12) **United States Design Patent**  
**Xiang**

(10) **Patent No.:** **US D865,695 S**

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(54) **HIGH DENSITY FIBER ENCLOSURE**

(71) Applicant: **FIBERSTORE CO., LIMITED**,  
Shenzhen, Guangdong (CN)

(72) Inventor: **Wei Xiang**, Guangdong (CN)

(73) Assignee: **FIBERSTORE CO., LIMITED**,  
Shenzhen (CN)

(\*\*) Term: **15 Years**

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(51) **LOC (12) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/184**; D13/152; D14/313

(58) **Field of Classification Search**  
USPC ..... D14/300-304, 308-314, 328, 348-370,  
D14/432, 435, 440-441, 443-446,  
D14/479-480, 481-483, 140.1, 140.4,  
D14/164, 193; D13/123, 152, 154, 158,  
D13/184, 199

CPC .... G02B 6/4446; G02B 6/4447; G02B 6/445;  
G02B 6/4472; G02B 6/4452; G02B  
6/4455; G02B 6/4453

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D370,891 S *	6/1996	Keith	.....	D13/184
5,946,440 A *	8/1999	Puetz	.....	G02B 6/4455 385/135
D419,533 S *	1/2000	Smith	.....	D13/184
D422,265 S *	4/2000	Noble	.....	D13/152
D425,492 S *	5/2000	Johnston	.....	D14/140.4
D425,872 S *	5/2000	Johnston	.....	D14/140.4
D431,532 S *	10/2000	Noble	.....	D13/152
D496,907 S *	10/2004	Hwang	.....	G02B 6/4277 D13/123
D566,704 S *	4/2008	Cutting	.....	D14/313
D638,367 S *	5/2011	Isaacks	.....	D13/139.4

(Continued)

OTHER PUBLICATIONS

Upgrading 4U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded, posted at Fiberstore, review posted Nov. 3, 2018. Site visited Jun. 21, 2019. URL: <https://www.fs.com="" products="" 73206.html=""> (Year: 2018)</https:;>.\*

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*Primary Examiner* — Kevin K Rudzinski

*Assistant Examiner* — Kathleen L Jones

(74) *Attorney, Agent, or Firm* — Davis Wright Tremaine LLP

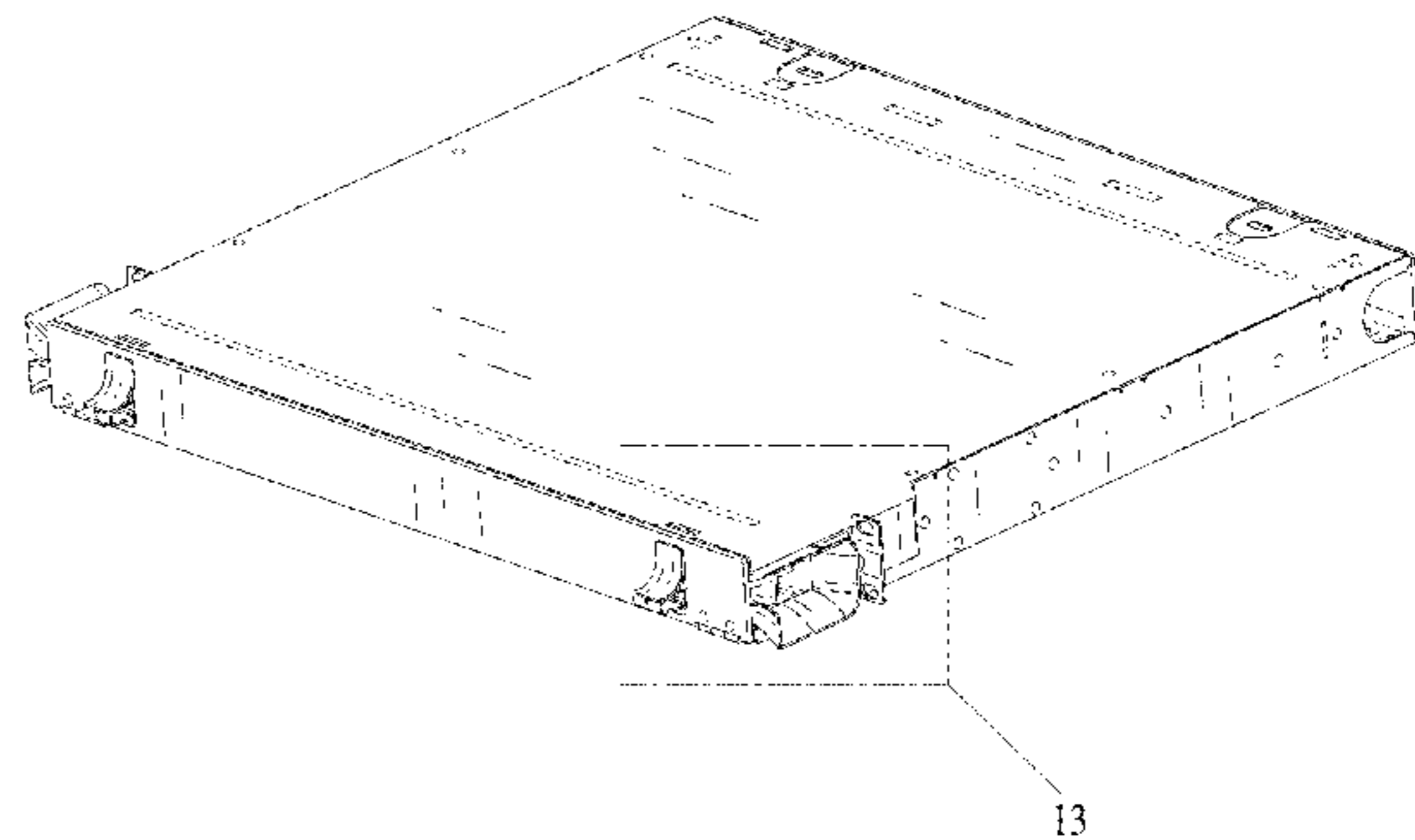
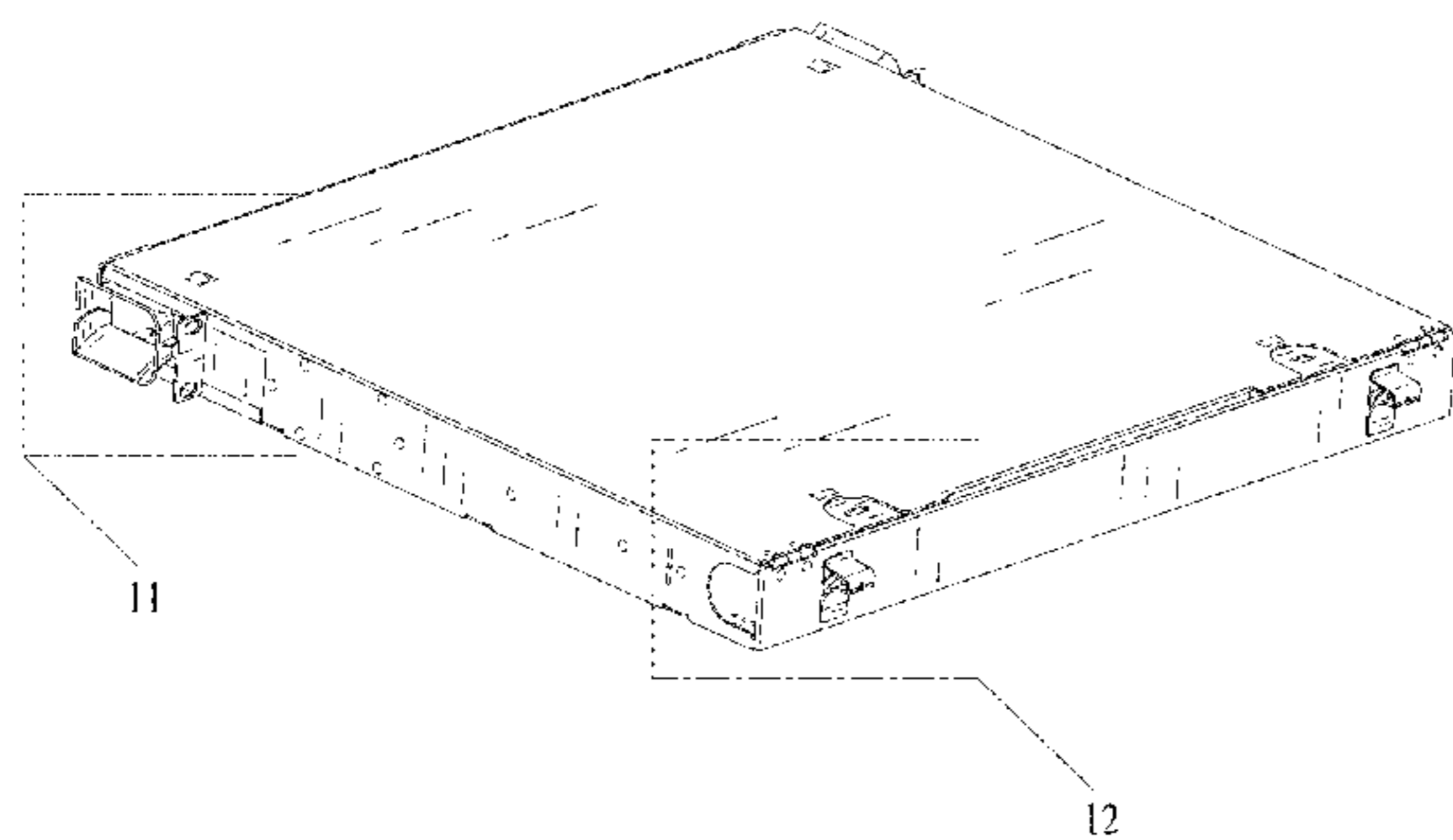
(57) **CLAIM**

The ornamental design for a high density fiber enclosure, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a high density fiber enclosure showing my new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a bottom, rear and right side perspective view thereof;  
FIG. 8 is a top, front and left side perspective view thereof;  
FIG. 9 is an enlarged view of portion 9 in FIG. 3;  
FIG. 10 is an enlarged view of portion 10 in FIG. 3;  
FIG. 11 is an enlarged view of portion 11 in FIG. 7;  
FIG. 12 is an enlarged view of portion 12 in FIG. 7; and,  
FIG. 13 is an enlarged view of portion 13 in FIG. 8.  
The broken lines in the drawings illustrate portions of the high density fiber enclosure which form no part of the claimed design.

**1 Claim, 13 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D644,996 S \* 9/2011 Hsu ..... D13/147  
 D670,653 S \* 11/2012 Severing ..... D13/146  
 D702,198 S \* 4/2014 Gretz ..... D13/152  
 D713,347 S \* 9/2014 Ueda ..... D13/147  
 D722,975 S \* 2/2015 Debone ..... D13/152  
 D726,656 S \* 4/2015 Shimada ..... D13/147  
 D740,230 S \* 10/2015 Leung ..... D13/152  
 D770,984 S \* 11/2016 Leung ..... D13/152  
 D781,788 S \* 3/2017 Seo ..... D13/152  
 D795,815 S \* 8/2017 Mikawa ..... D13/147  
 D801,279 S \* 10/2017 Hayashi ..... D13/147  
 D832,211 S \* 10/2018 Ladd ..... D13/110  
 10,191,238 B1 \* 1/2019 Monaghan ..... G02B 6/4471  
 2010/0054686 A1 \* 3/2010 Cooke ..... G02B 6/4471  
 385/135  
 2010/0220968 A1 \* 9/2010 Dagley ..... G02B 6/4452  
 385/135  
 2011/0122573 A1 \* 5/2011 Peng ..... G06F 1/20  
 361/679.48  
 2015/0219866 A1 \* 8/2015 Veatch ..... G02B 6/445  
 385/135  
 2018/0129008 A1 \* 5/2018 Gonzalez Covarrubias .....  
 G02B 6/4455  
 2018/0157000 A1 \* 6/2018 Bakatsias ..... G02B 6/4455

OTHER PUBLICATIONS

Upgrading 2U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded, posted at Fiberstore, review posted Jan. 21, 2019 . Site visited Jun. 21, 2019. URL: <https: www.fs.com="" products="" 73205.html=""> (Year: 2019)</https:>.\*  
 Corning Rack Mount Fiber Optic Patch Panel Installation Instruction, posted at Fosco Connect, dated Nov. 18, 2010. Site visited Jun. 21, 2019. URL:<https: www.fiberoptics4sale.com="" blogs="" archive-posts="" 95047622-corning-rack-mount-fiber-optic-patch-panel-installation-instruction-cch-01u-and-cch-02u =""> (Year:.\*  
 Fiber Optic Indoor Rack Mount Enclosure, posted at AM Products, posting date Jun. 12, 2017. Site visited Jun. 21, 2019. URL: <https: amprod.us="" rack-mount-8012=""></https:> (Year: 2017).\*  
 RTS Series—Rack Mount Fiber Enclosures, posted at Optical Cable Corporation, posting date Jan. 29, 2014. Site visited Jun. 21, 2019. URL: <http: www.occfiber.com="" product="" rts-series-rack-mount-fiber-enclosures=""></http:> (Year: 2014).\*

\* cited by examiner

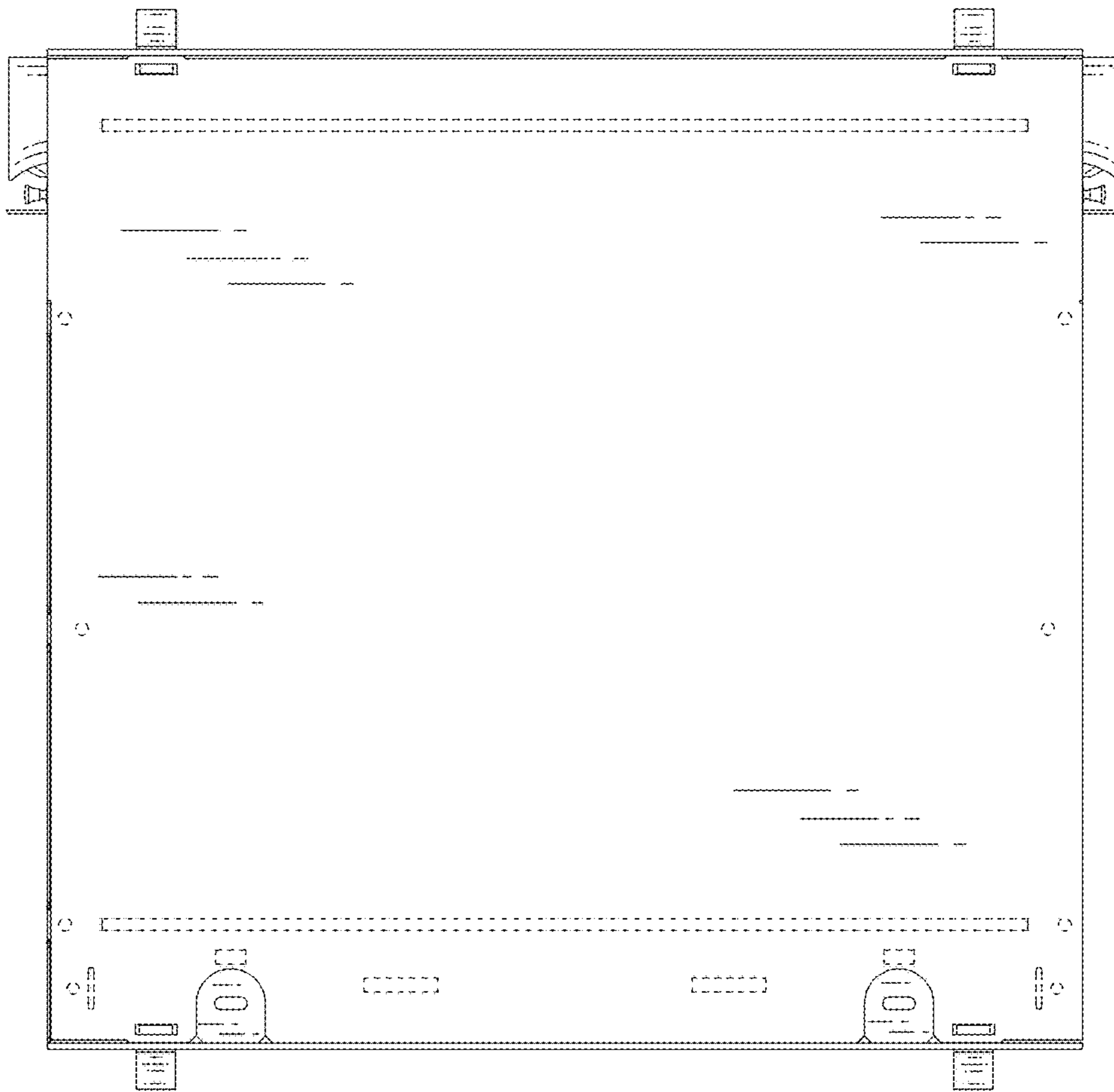


Fig. 1

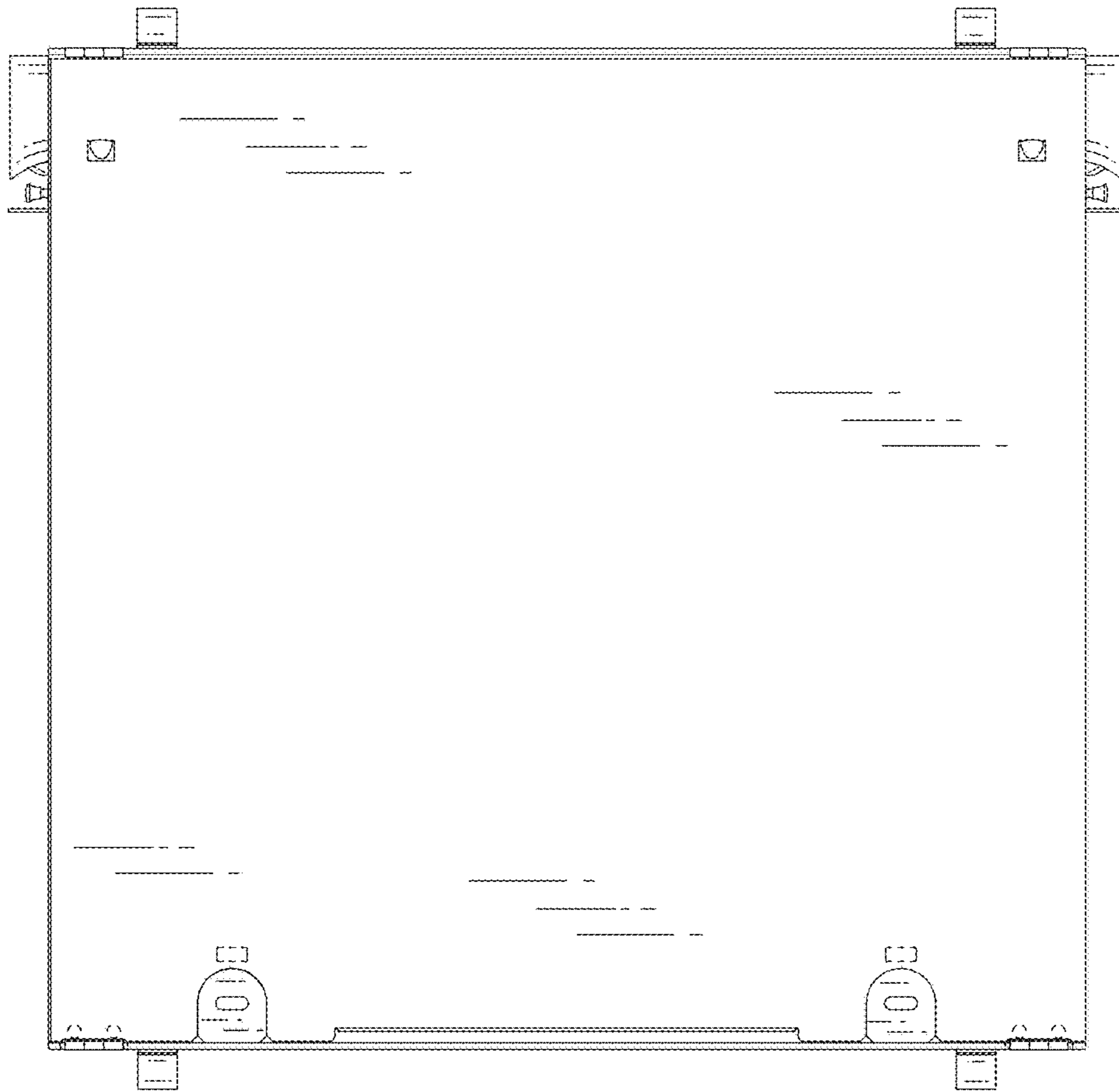


Fig. 2

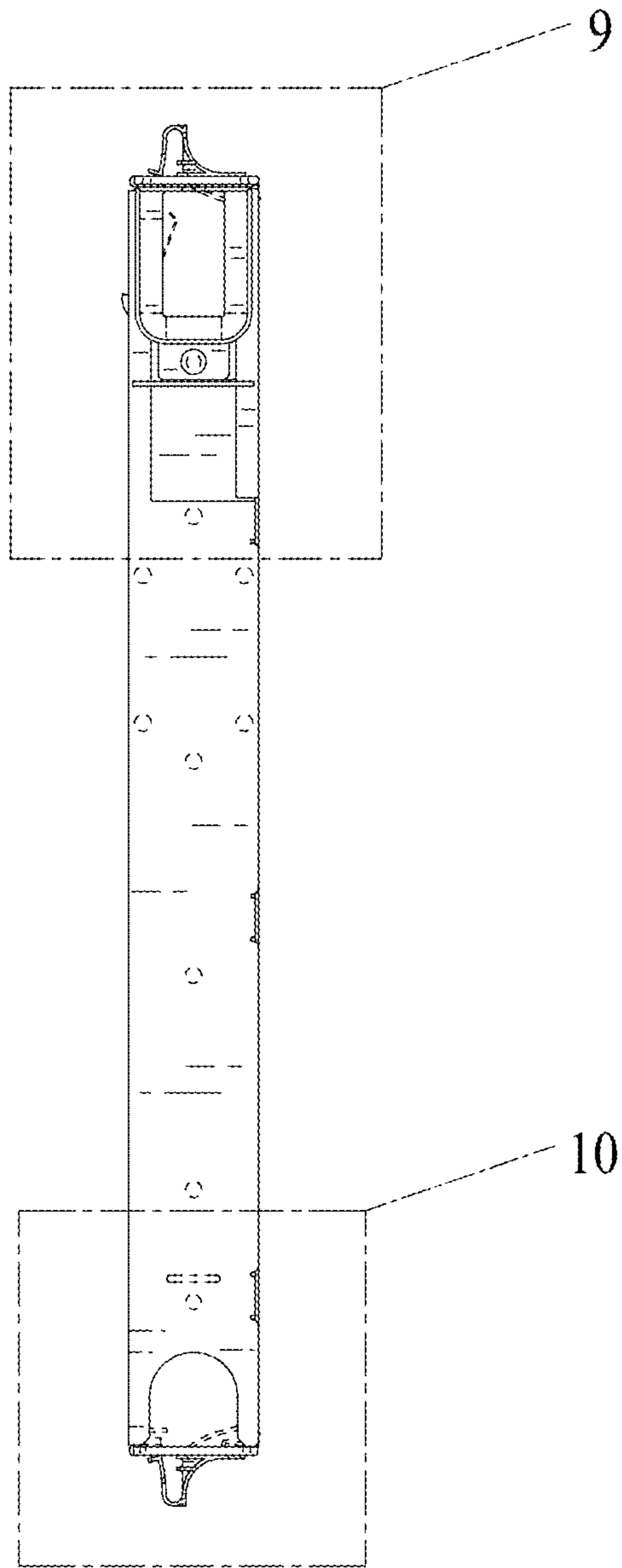


Fig.3

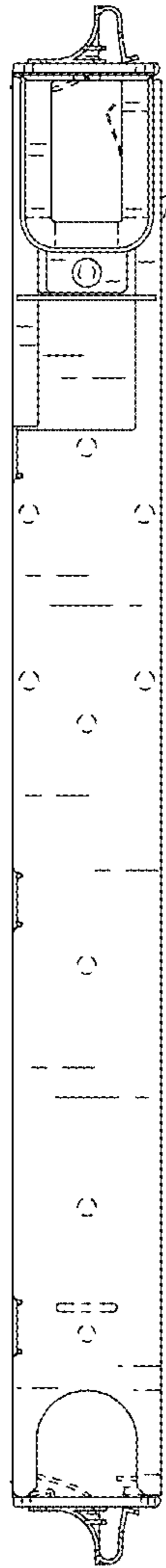


Fig. 4

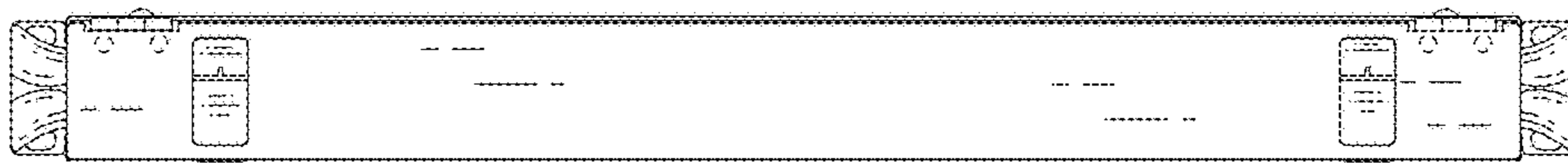


Fig.5



Fig. 6



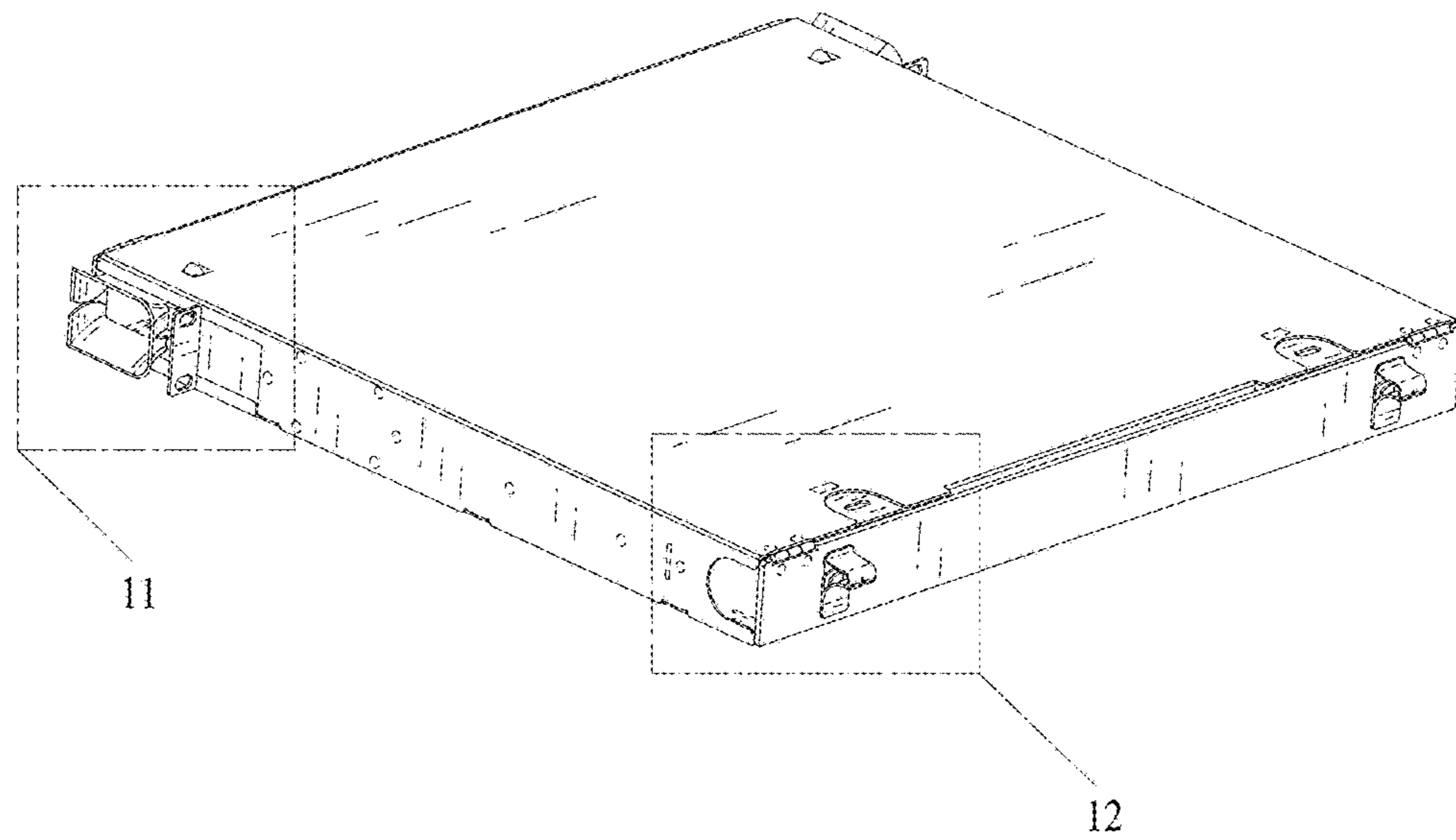


Fig. 7

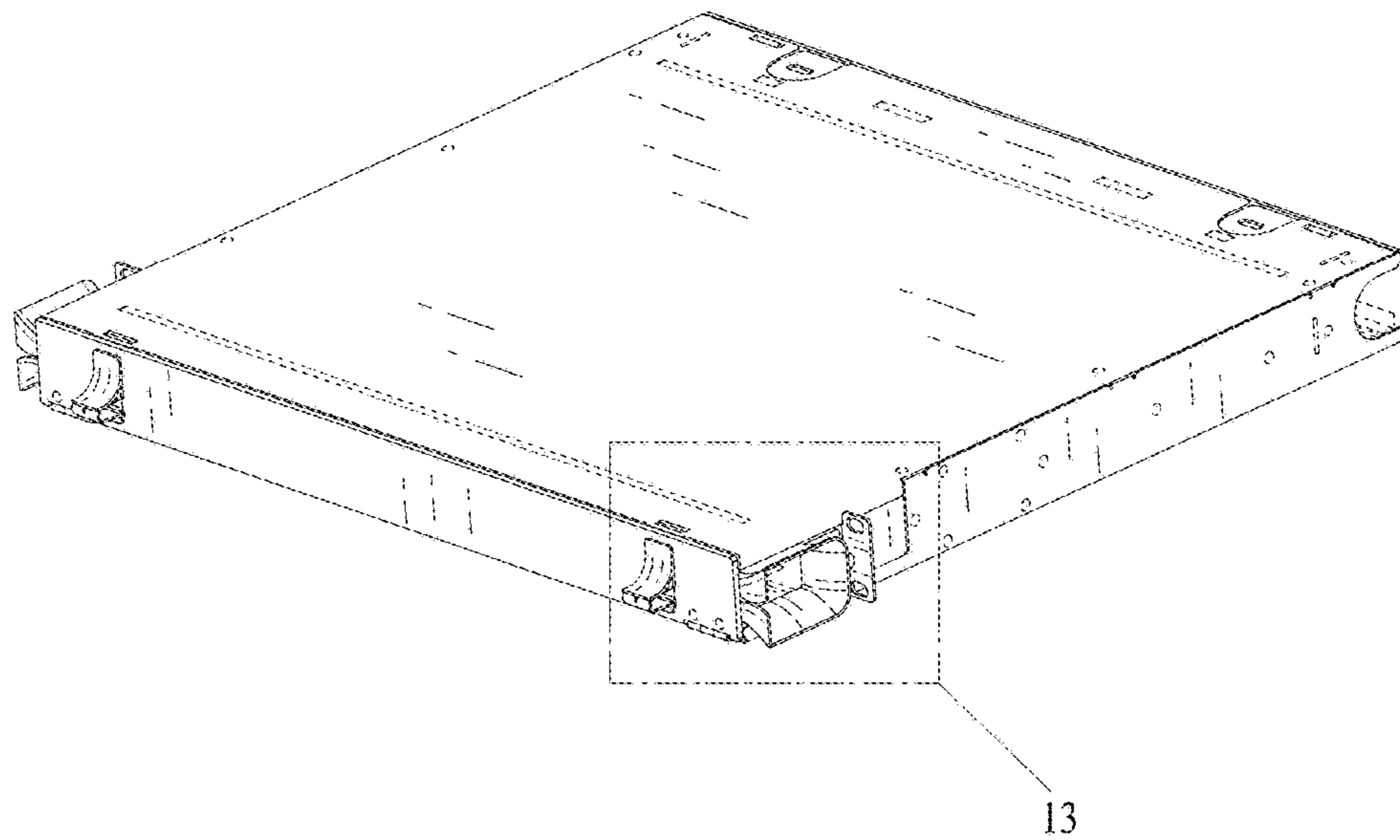


Fig. 8

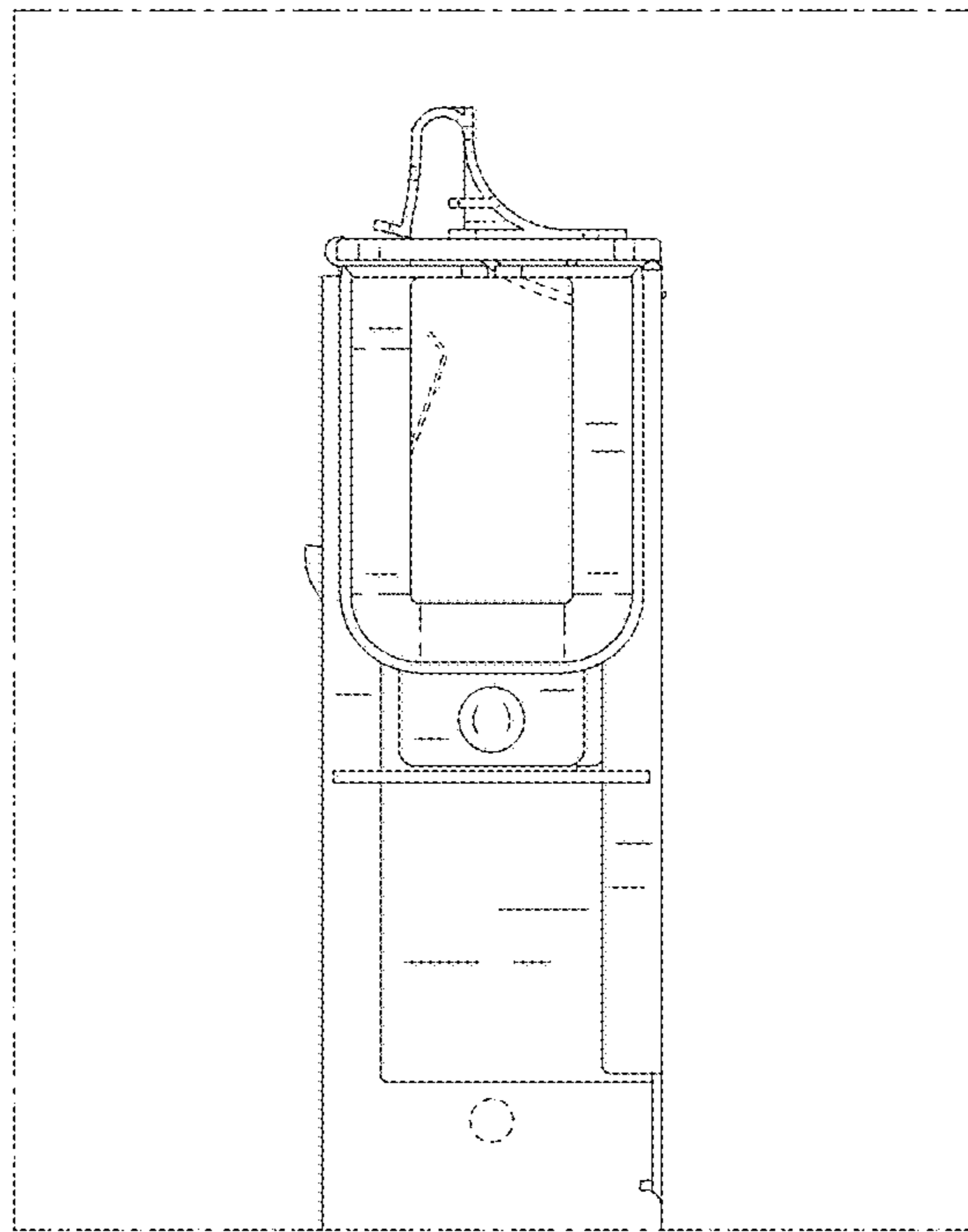


Fig. 9

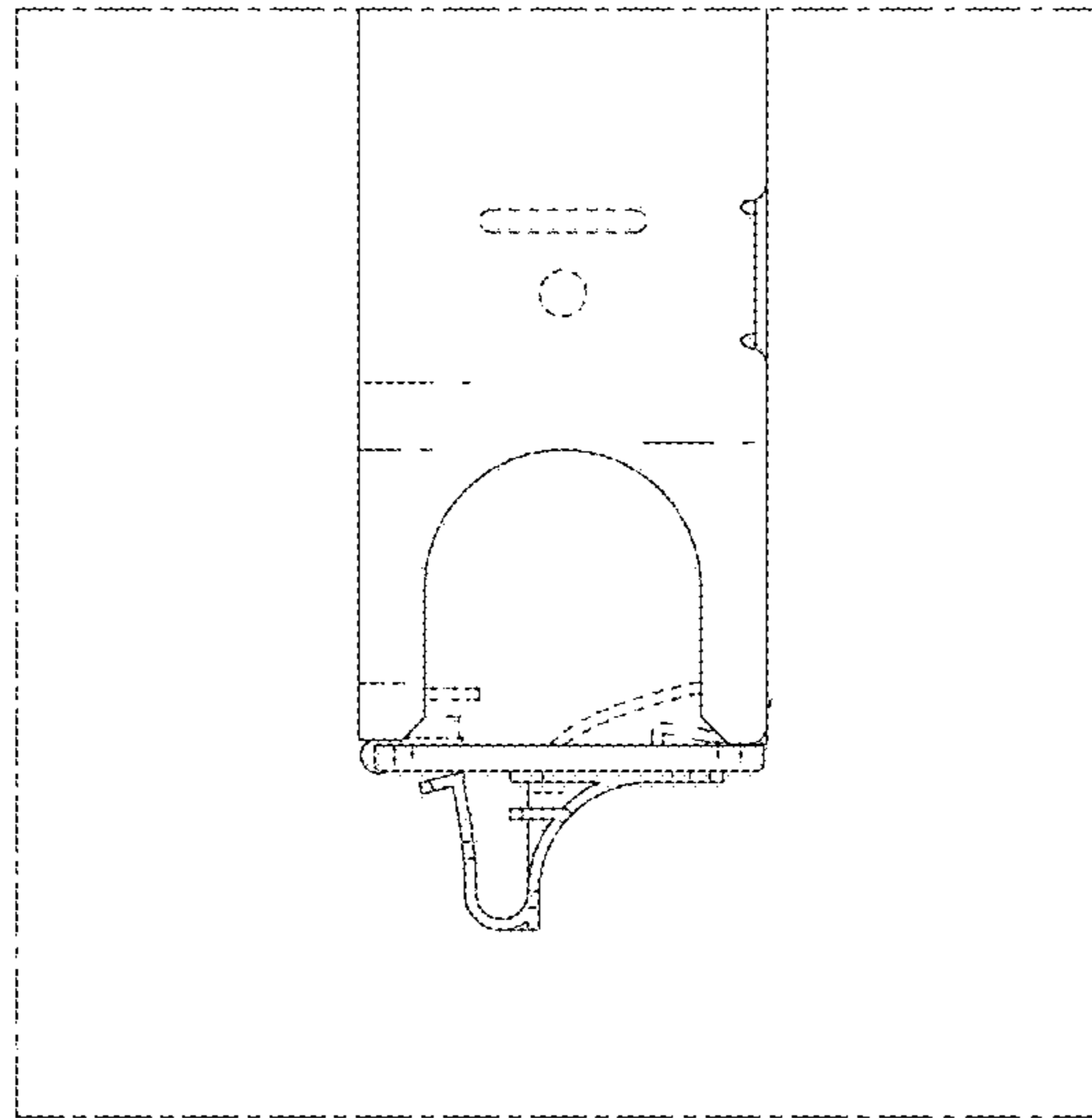


Fig. 10

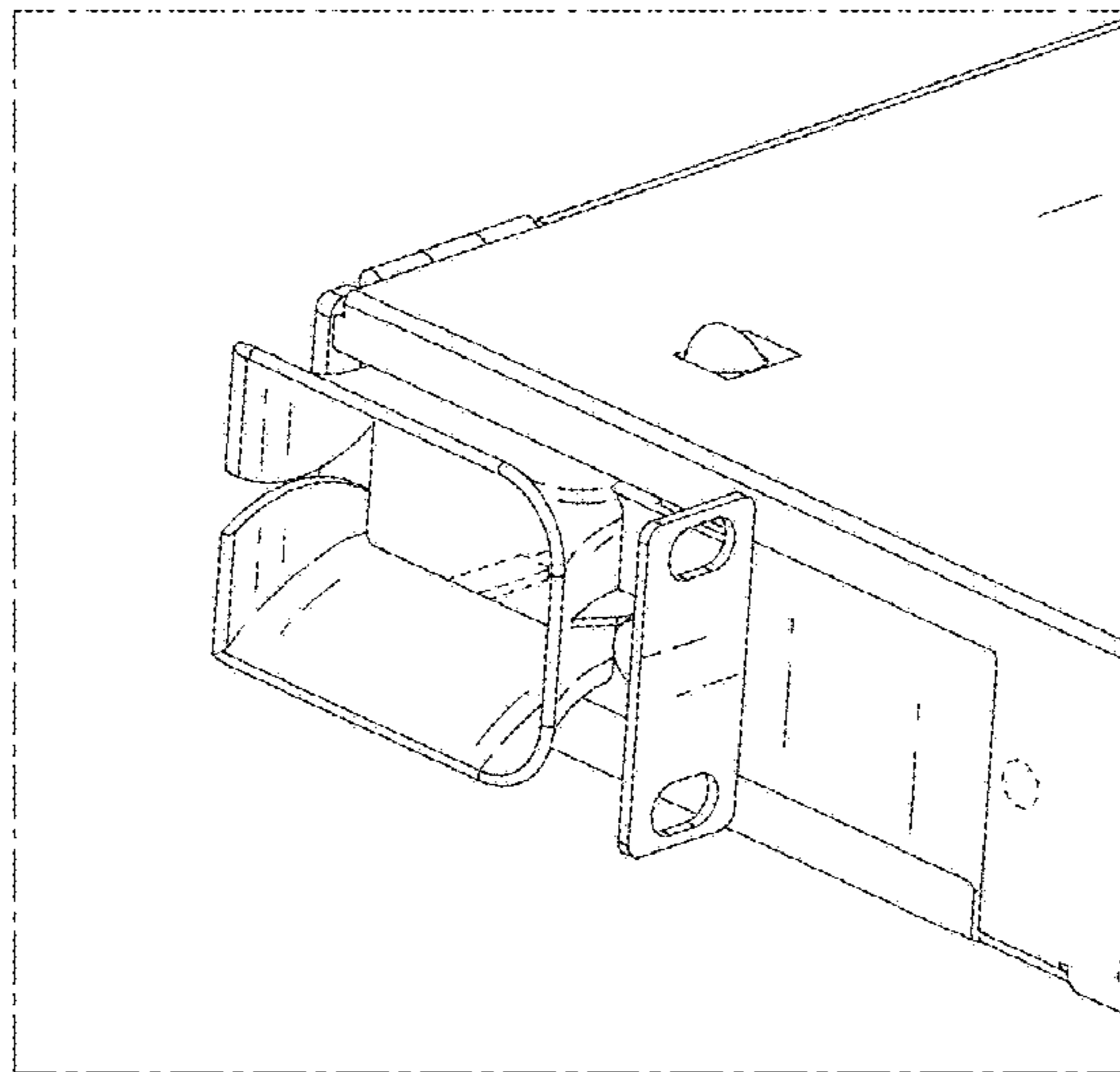


Fig. 11

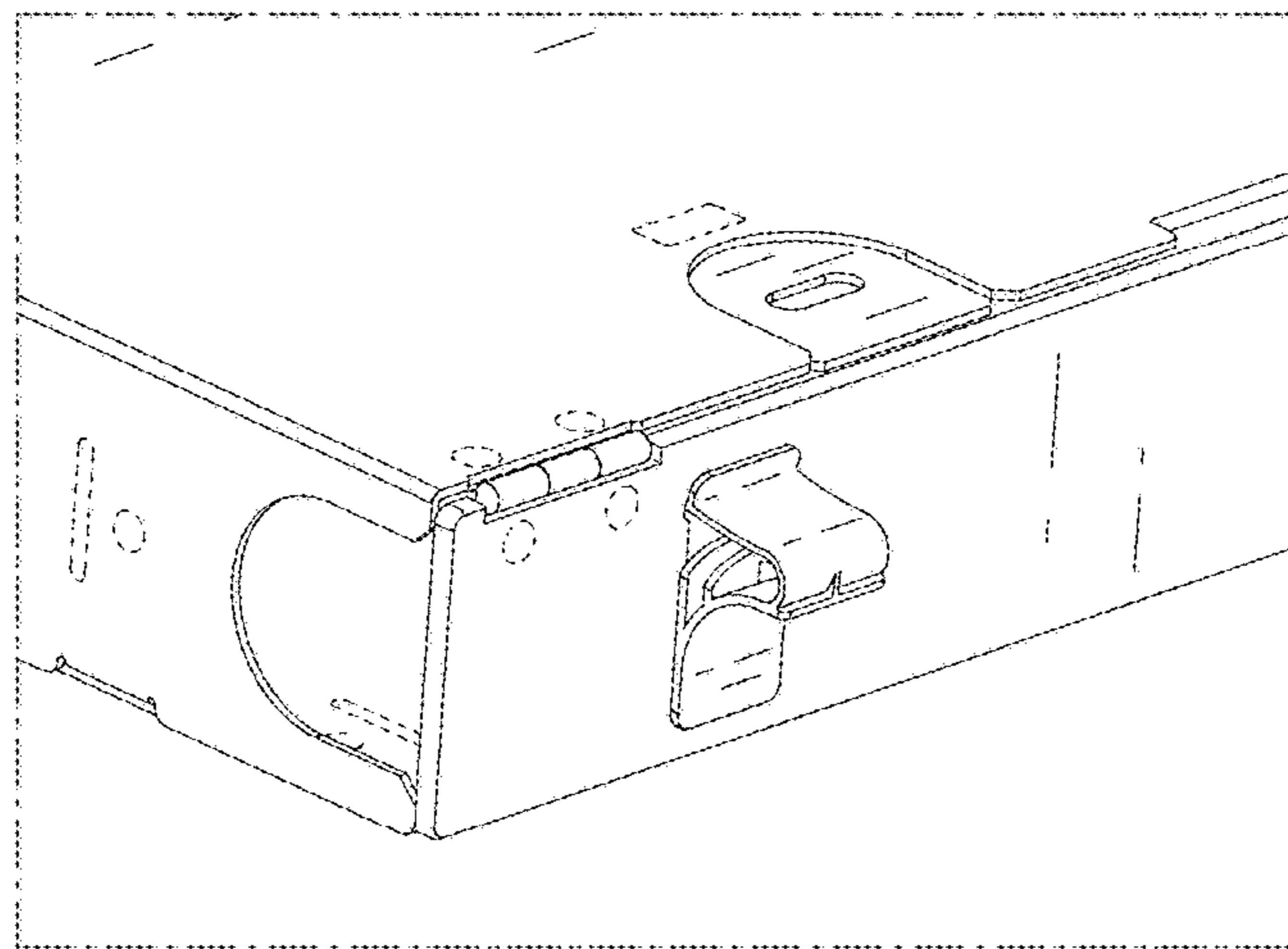


Fig. 12

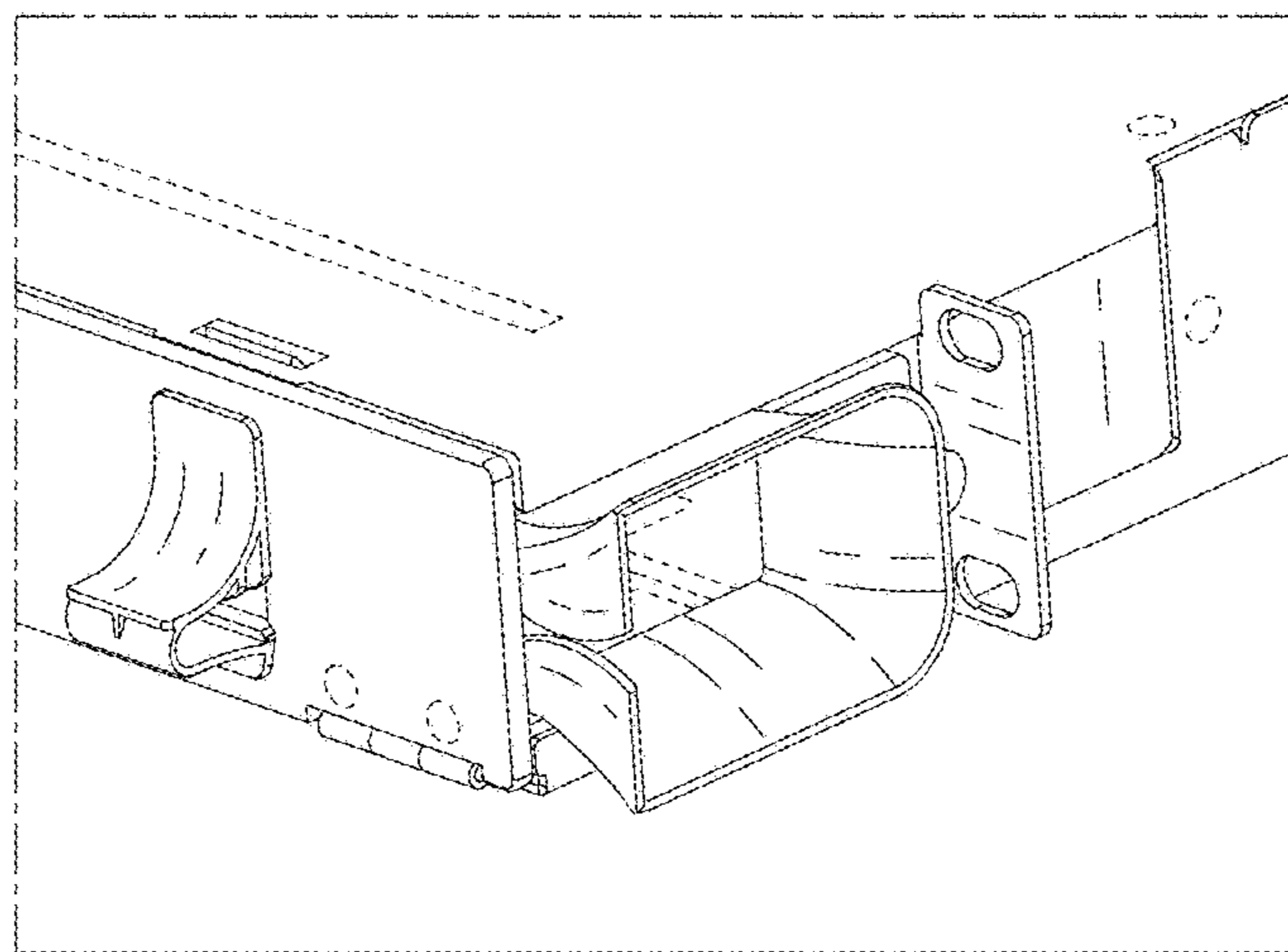


Fig. 13