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

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(54) **OUTRIGGER FOR CRANE TRUCK**

CPC ..... B66C 23/80; B66C 23/78; B66C 1/10;  
B66C 23/36

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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,035,713	A *	5/1962	Iserman	212/303
3,326,390	A *	6/1967	Hackenberger	212/231
3,550,506	A *	12/1970	Gardenhour	91/526
3,570,692	A *	3/1971	Andersen et al.	29/428
3,650,421	A *	3/1972	Miller	414/543
3,680,714	A *	8/1972	Holmes	212/277

(Continued)

OTHER PUBLICATIONS

Orbit Website Search, Mar. 30, 2015, 1/1 Design-Questel Outrigger  
for crane truck, shown in pp. 1 of 1.\*

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(57) **CLAIM**

The ornamental design for an outrigger for crane truck, as  
shown and described.

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

**DESCRIPTION**

(21) Appl. No.: **29/463,734**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **15-03**

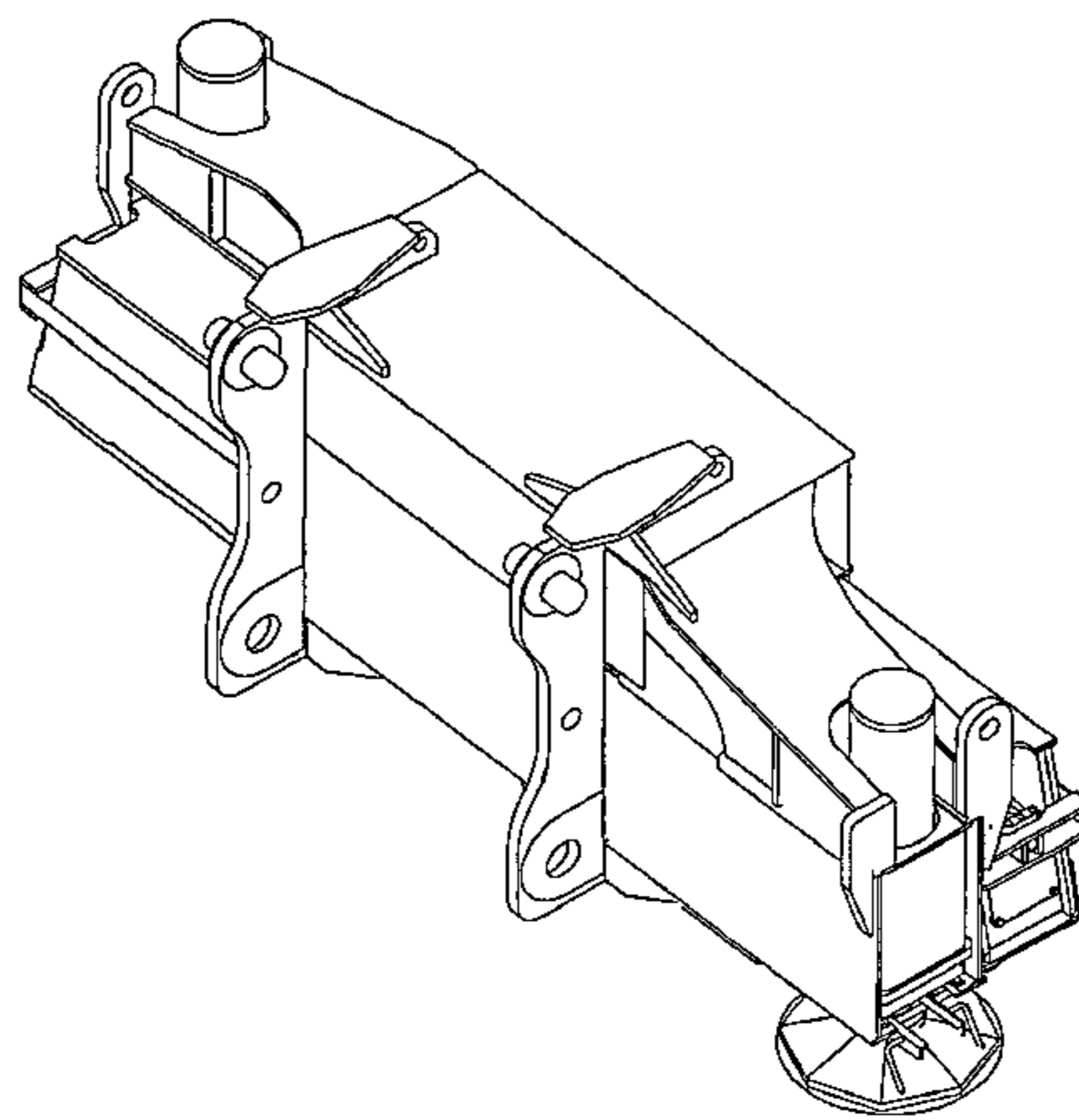
(52) **U.S. Cl.**  
USPC ..... **D15/28**

(58) **Field of Classification Search**

USPC ..... D15/26, 28, 21; 212/294, 304, 349,  
212/301, 302, 270, 180, 277, 276, 181, 278,  
212/264, 175, 285, 231; 91/526; 340/685;  
182/17; 280/763.1, 766.1; 191/59.1;  
414/140.3

FIG. 1 is a perspective view of an outrigger for crane truck  
showing our new design;  
FIG. 2 is a right side view thereof attached to the crane truck;  
FIG. 3 is a left side view thereof attached to the crane truck;  
FIG. 4 is a plan view thereof attached to the crane truck;  
FIG. 5 is a bottom view thereof attached to the crane truck;  
FIG. 6 is a front view thereof attached to the crane truck;  
FIG. 7 is a front view of the outrigger for crane truck;  
FIG. 8 is a rear view thereof;  
FIG. 9 is a plan view thereof;  
FIG. 10 is a bottom view thereof;  
FIG. 11 is a right side view thereof; and,  
FIG. 12 is a left side view thereof. The broken line in the  
drawings are included for the purpose of illustrating portions  
of the outrigger for crane truck and form no part of the  
claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

3,724,679	A *	4/1973	Brownell et al.	212/278	5,119,949	A *	6/1992	Kishi	212/277
3,726,418	A *	4/1973	Short	212/181	5,192,102	A *	3/1993	Mertens et al.	280/766.1
3,770,138	A *	11/1973	Chalupsky et al.	212/349	5,402,898	A *	4/1995	Lute	212/255
3,791,530	A *	2/1974	Gorl et al.	212/304	5,960,662	A *	10/1999	Morello	72/166
3,840,125	A *	10/1974	Cozad	212/304	6,089,357	A *	7/2000	Jackson et al.	188/71.6
3,929,204	A *	12/1975	Newell	180/9.26	6,341,705	B1 *	1/2002	Kaspar	212/302
3,990,714	A *	11/1976	Hornagold	280/765.1	6,516,917	B1 *	2/2003	Mayer et al.	182/17
4,027,801	A *	6/1977	Johnston et al.	212/304	6,744,372	B1 *	6/2004	Shaw et al.	340/685
4,222,492	A *	9/1980	Wuerflein et al.	212/270	6,845,848	B1 *	1/2005	Kritzer	187/221
4,258,853	A *	3/1981	Gill et al.	212/264	D509,515	S *	9/2005	Maruyama	D15/26
4,318,488	A *	3/1982	Rathi	212/270	D511,783	S *	11/2005	Maruyama	D15/26
4,417,665	A *	11/1983	Adeline	212/224	D512,729	S *	12/2005	Maruyama	D15/26
D272,955	S *	3/1984	Dowrick et al.	D34/34	D518,072	S *	3/2006	Maruyama	D15/26
4,435,118	A *	3/1984	Behrend et al.	414/744.5	7,150,472	B1 *	12/2006	Schneider	280/766.1
4,461,490	A *	7/1984	Fritel et al.	280/763.1	7,290,799	B2 *	11/2007	Santos	280/766.1
4,546,996	A *	10/1985	Hanson	280/764.1	7,328,810	B1 *	2/2008	Rhodes	212/180
4,619,369	A *	10/1986	Mertens	212/304	7,331,748	B2 *	2/2008	Knepp et al.	414/686
4,632,261	A *	12/1986	Cuhel	212/175	D683,514	S *	5/2013	Guo et al.	D34/33
4,643,320	A *	2/1987	Larsen	212/180	8,768,562	B2 *	7/2014	Matsumoto	701/31.1
D309,459	S *	7/1990	Journey	D15/28	2003/0168421	A1 *	9/2003	Davis	212/302
4,943,019	A *	7/1990	Mester	248/123.11	2004/0040924	A1 *	3/2004	Reifenscheid	212/175
4,982,853	A *	1/1991	Kishi	212/231	2004/0256344	A1 *	12/2004	Willim	212/301
5,014,863	A *	5/1991	Vlaanderen	212/299	2006/0043718	A1 *	3/2006	Mayer	280/763.1
5,029,895	A *	7/1991	Anderson	280/764.1	2006/0045661	A1 *	3/2006	Andersson	414/140.3
					2007/0289439	A1 *	12/2007	Sakada et al.	92/52
					2009/0145871	A1 *	6/2009	Bond	212/285
					2014/0305760	A1 *	10/2014	Maier et al.	191/59.1

\* cited by examiner

Fig. 1

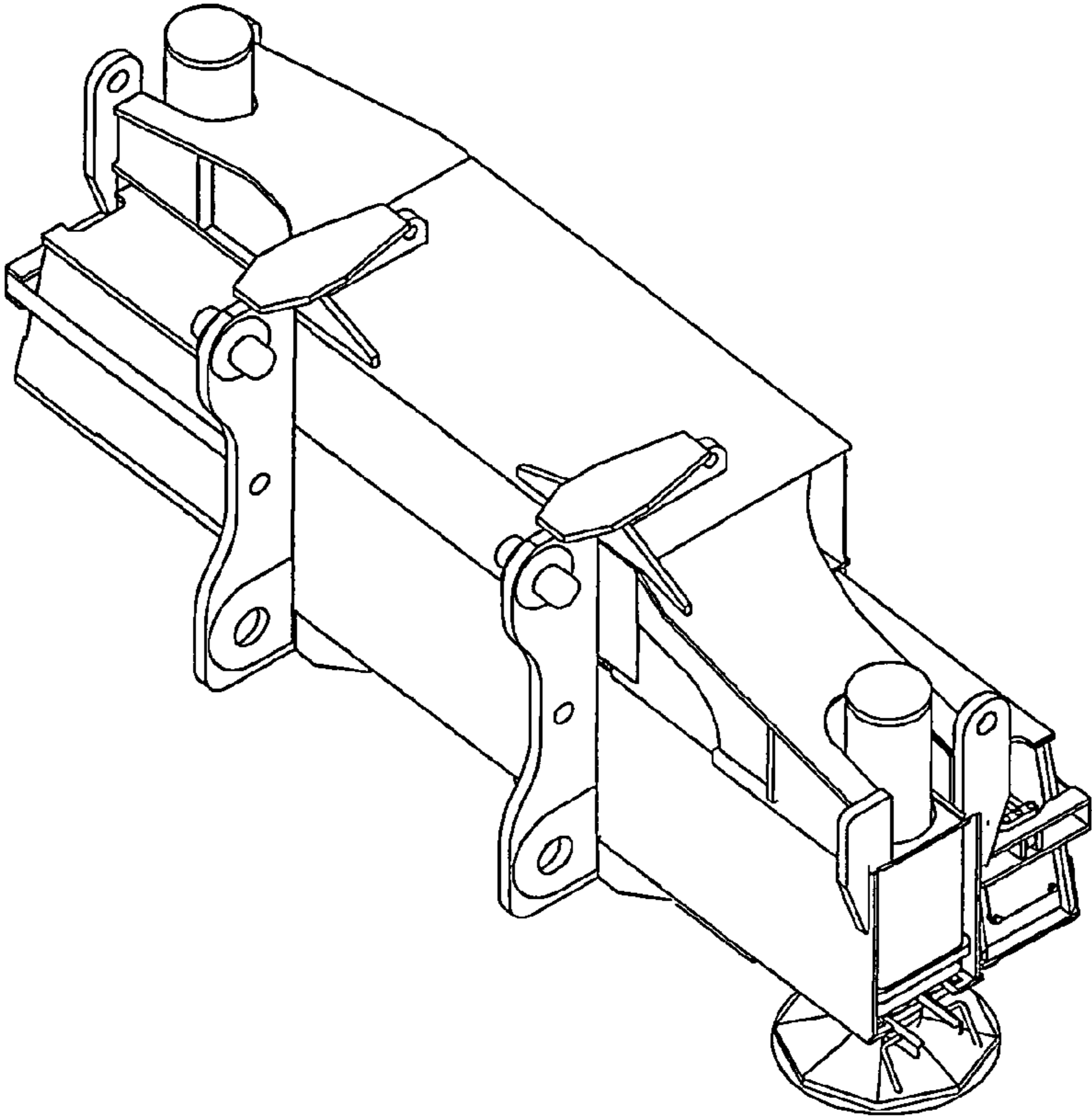


Fig. 2

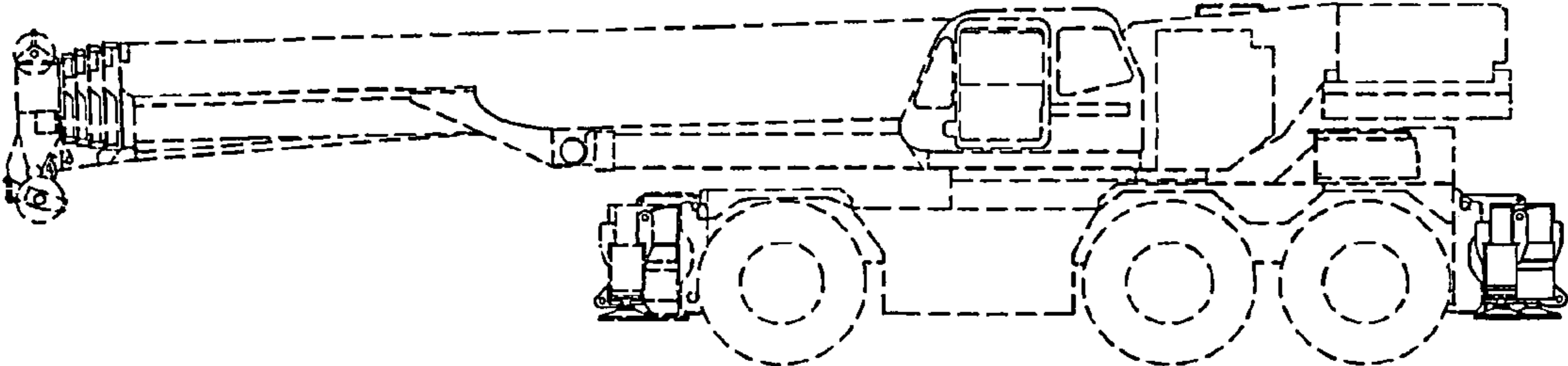


Fig. 3

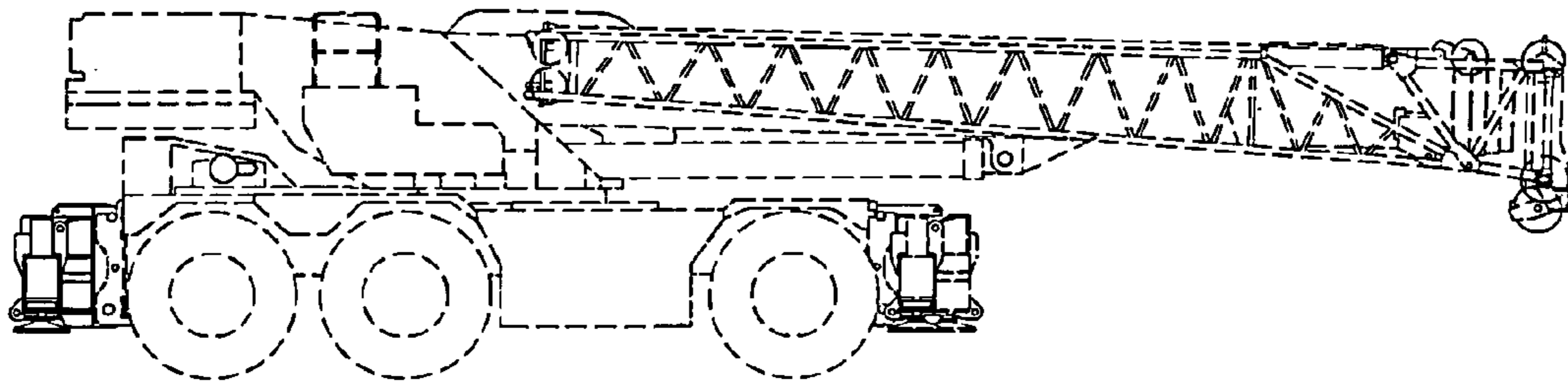


Fig. 4

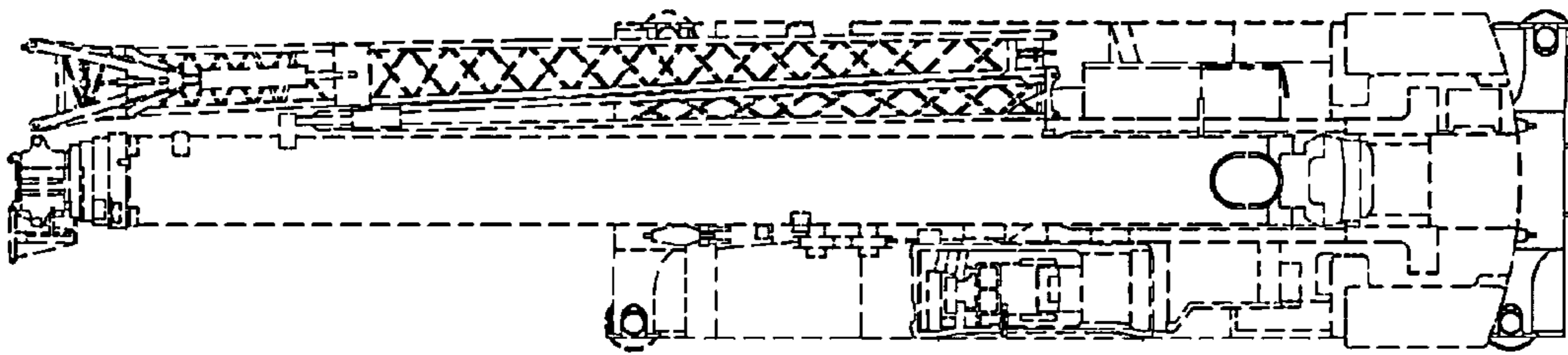


Fig. 5

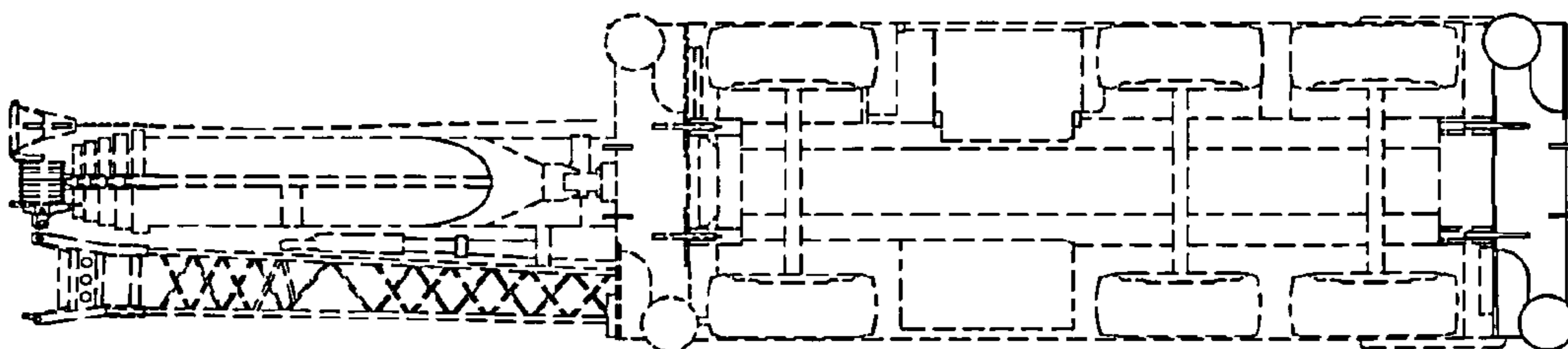


Fig. 6

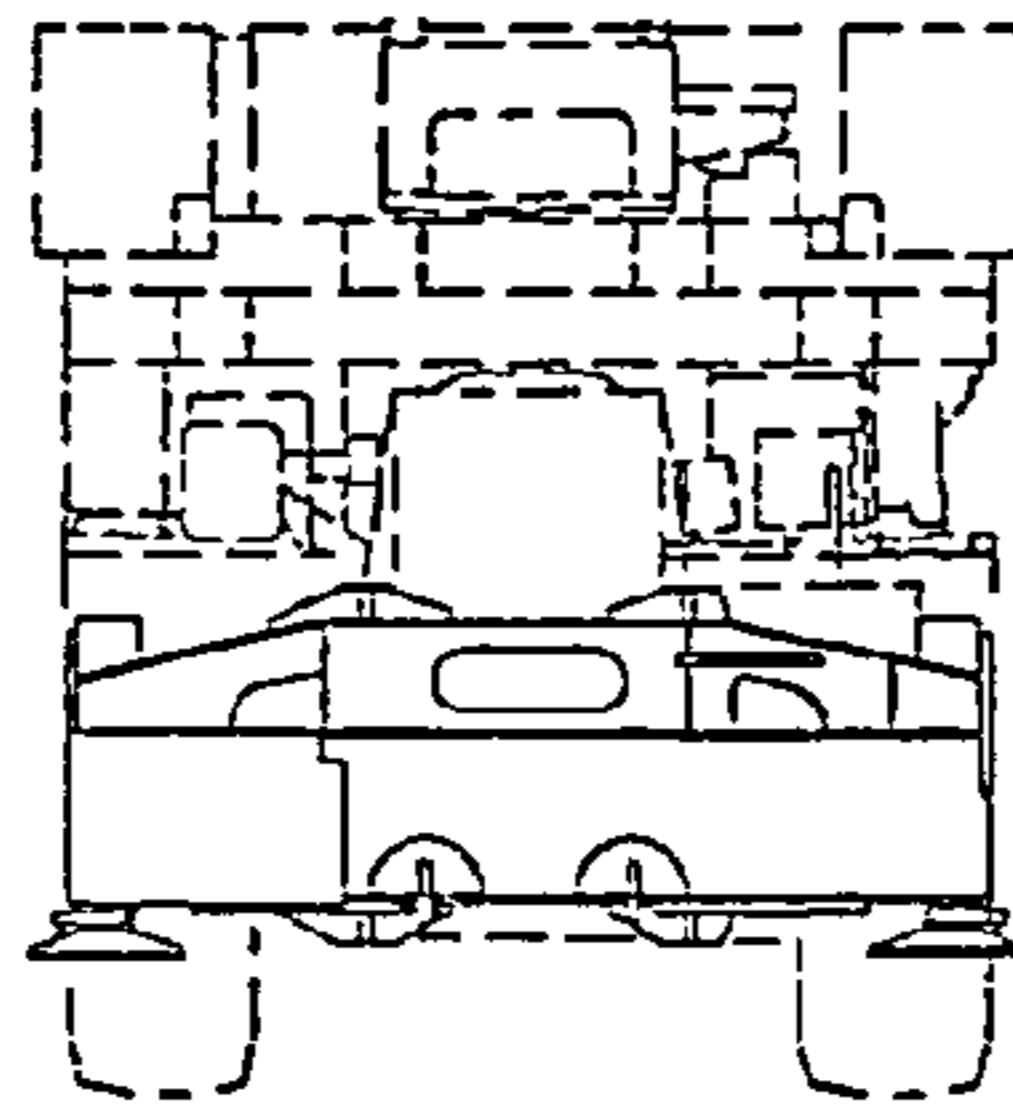


Fig. 7

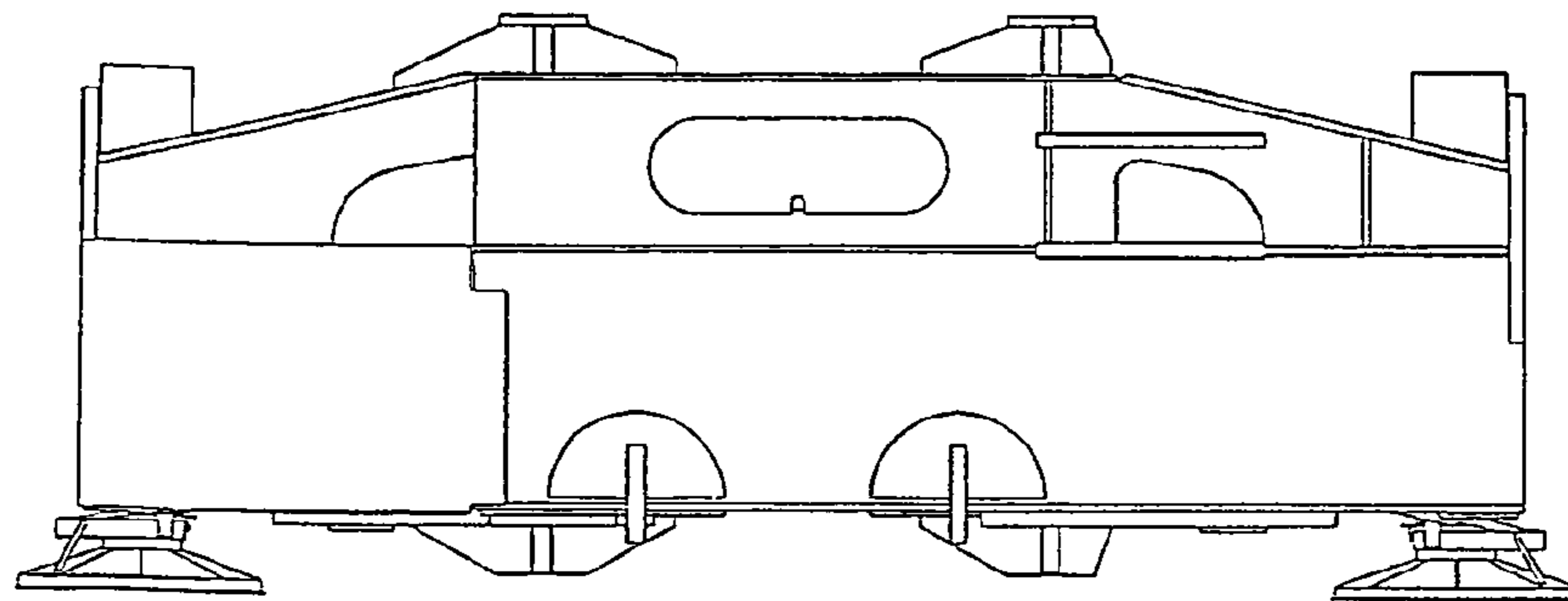


Fig. 8

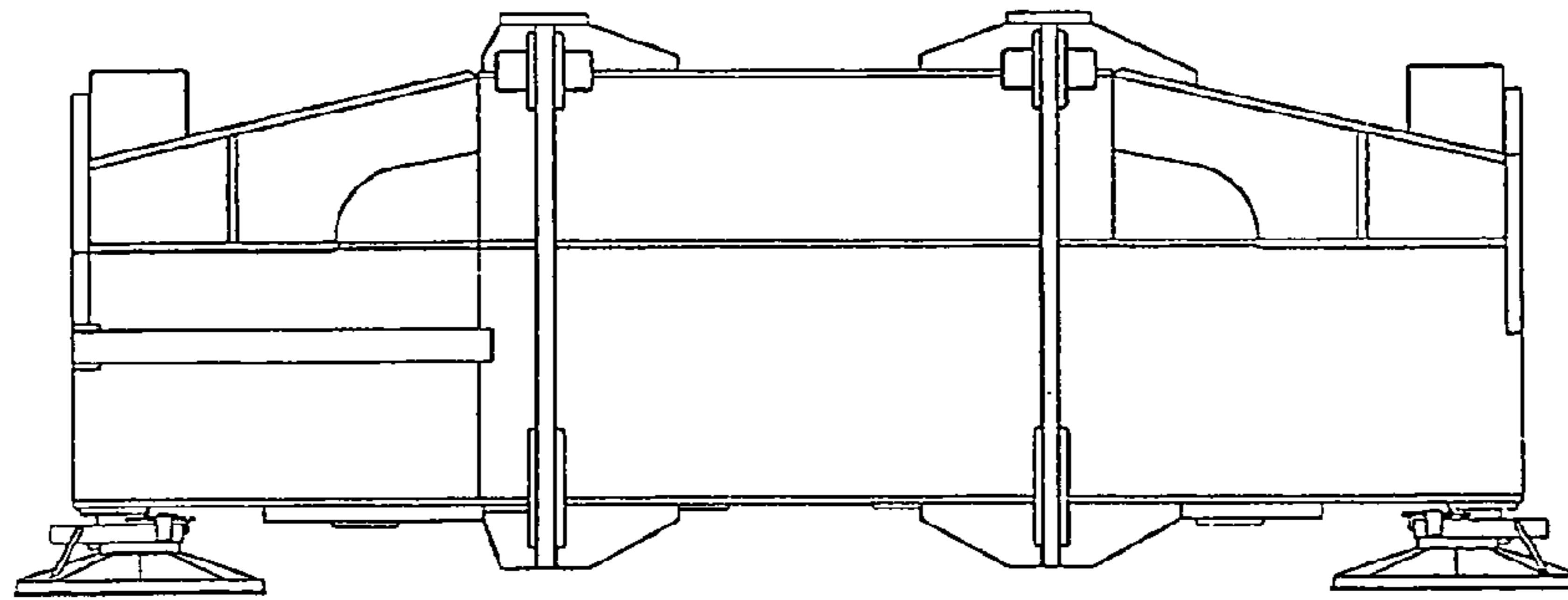


Fig. 9

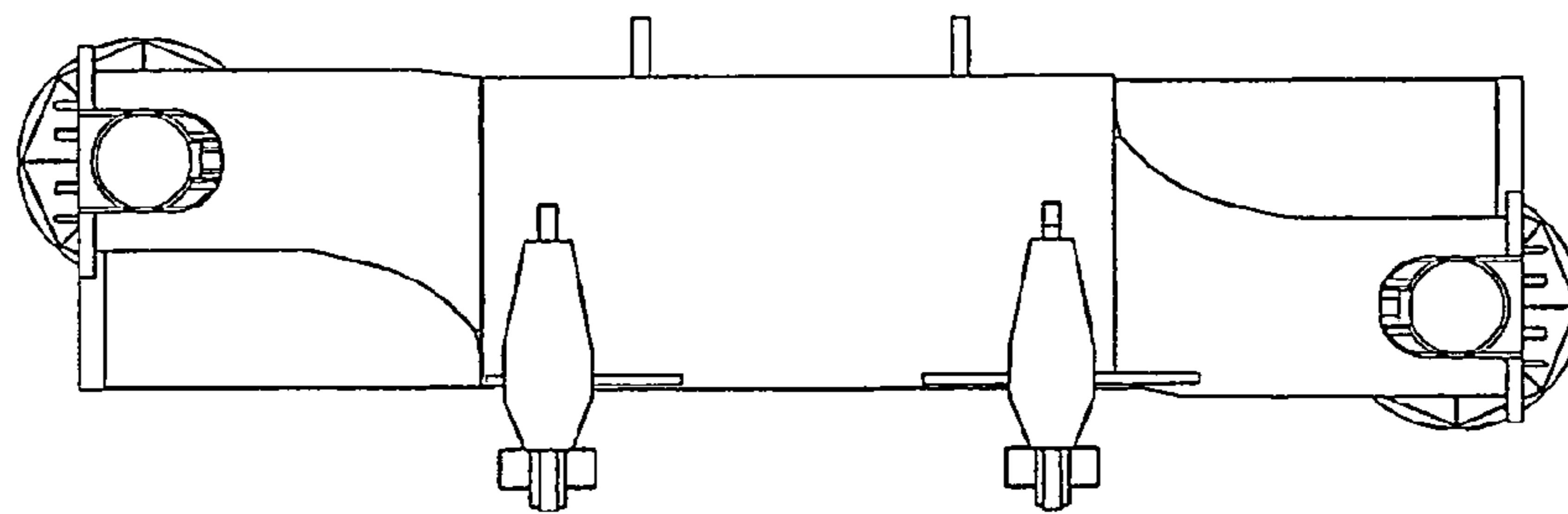


Fig. 10

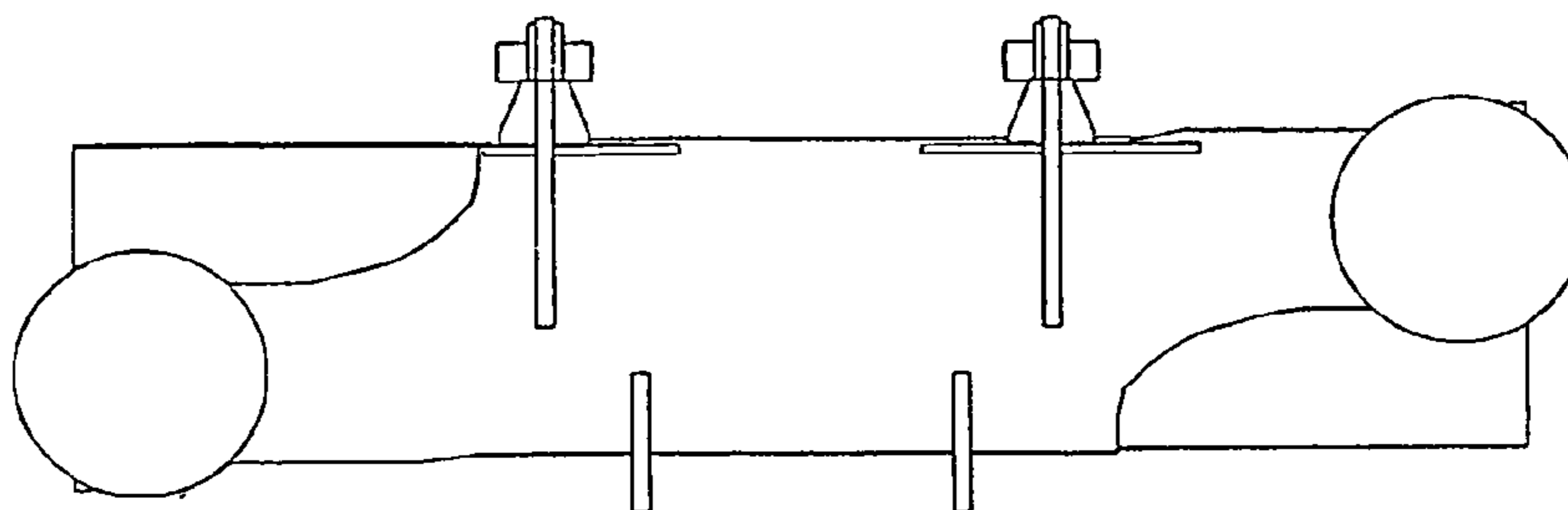


Fig. 11

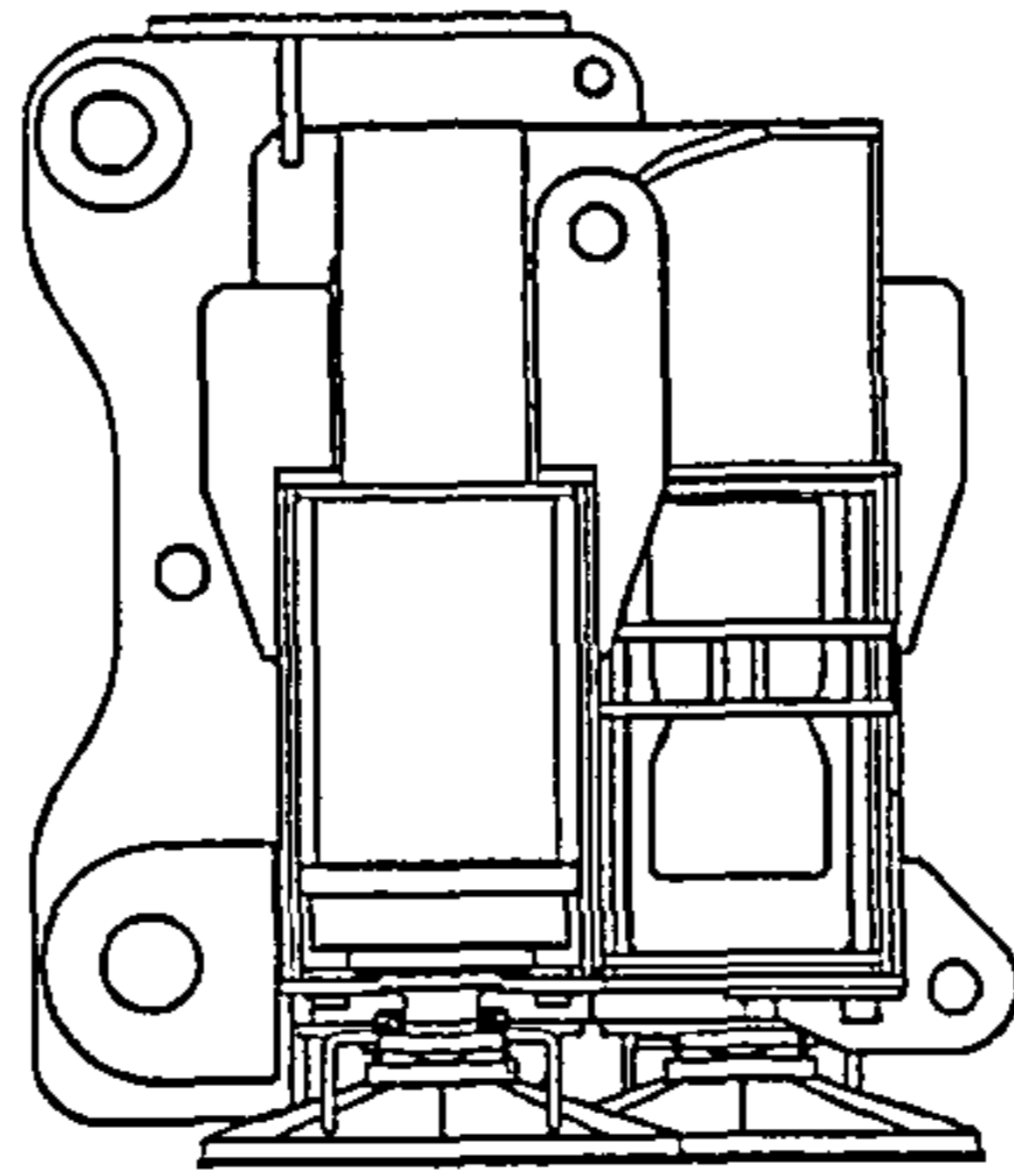


Fig. 12

