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

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- (54) **INDUSTRIAL ROBOT**
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- (**) Term: **14 Years**
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- (30) **Foreign Application Priority Data**

May 26, 2014 (EM) 002470617-0001

- (51) **LOC (10) Cl.** **15-09**
- (52) **U.S. Cl.**
USPC **D15/199**
- (58) **Field of Classification Search**
USPC D15/199; D21/578-583, 621, 622
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

4,762,459	A *	8/1988	Morita	.....	B25J 9/104 248/654
5,522,275	A *	6/1996	Mauletti	.....	B21D 43/105 414/744.5
6,592,323	B1 *	7/2003	Hsieh	.....	B66C 1/0212 198/471.1
D478,921	S *	8/2003	Kullborg	.....	D15/199
D642,352	S *	7/2011	Chen	.....	D34/28
8,720,298	B2 *	5/2014	Lehmann	.....	B25J 15/0616 414/735
8,794,098	B2 *	8/2014	Long	.....	B25J 9/0057 74/490.01
8,893,578	B2 *	11/2014	Kinoshita	.....	B25J 9/0051 74/490.06

8,899,126	B2 *	12/2014	Worz	.....	B25J 9/1623 74/490.01
8,948,915	B2 *	2/2015	Nakanishi	.....	B25J 9/1623 700/258
2004/0103739	A1 *	6/2004	Brogardh	.....	B23Q 1/5462 74/490.01
2004/0143876	A1 *	7/2004	Persson	.....	B23Q 1/5462 74/490.01
2006/0104793	A1 *	5/2006	Skutberg	.....	B23Q 1/5462 414/744.6
2013/0042714	A1 *	2/2013	Liu	.....	B25J 9/0051 74/490.02
2013/0189063	A1 *	7/2013	Brogardh	.....	B25J 17/02 414/589
2014/0096636	A1 *	4/2014	Hirano	.....	F16C 3/035 74/490.01
2014/0318300	A1 *	10/2014	Yazawa	B25J 9/0051 74/490.05
2015/0202779	A1 *	7/2015	Ilch	B25J 17/0266 74/490.06

* cited by examiner

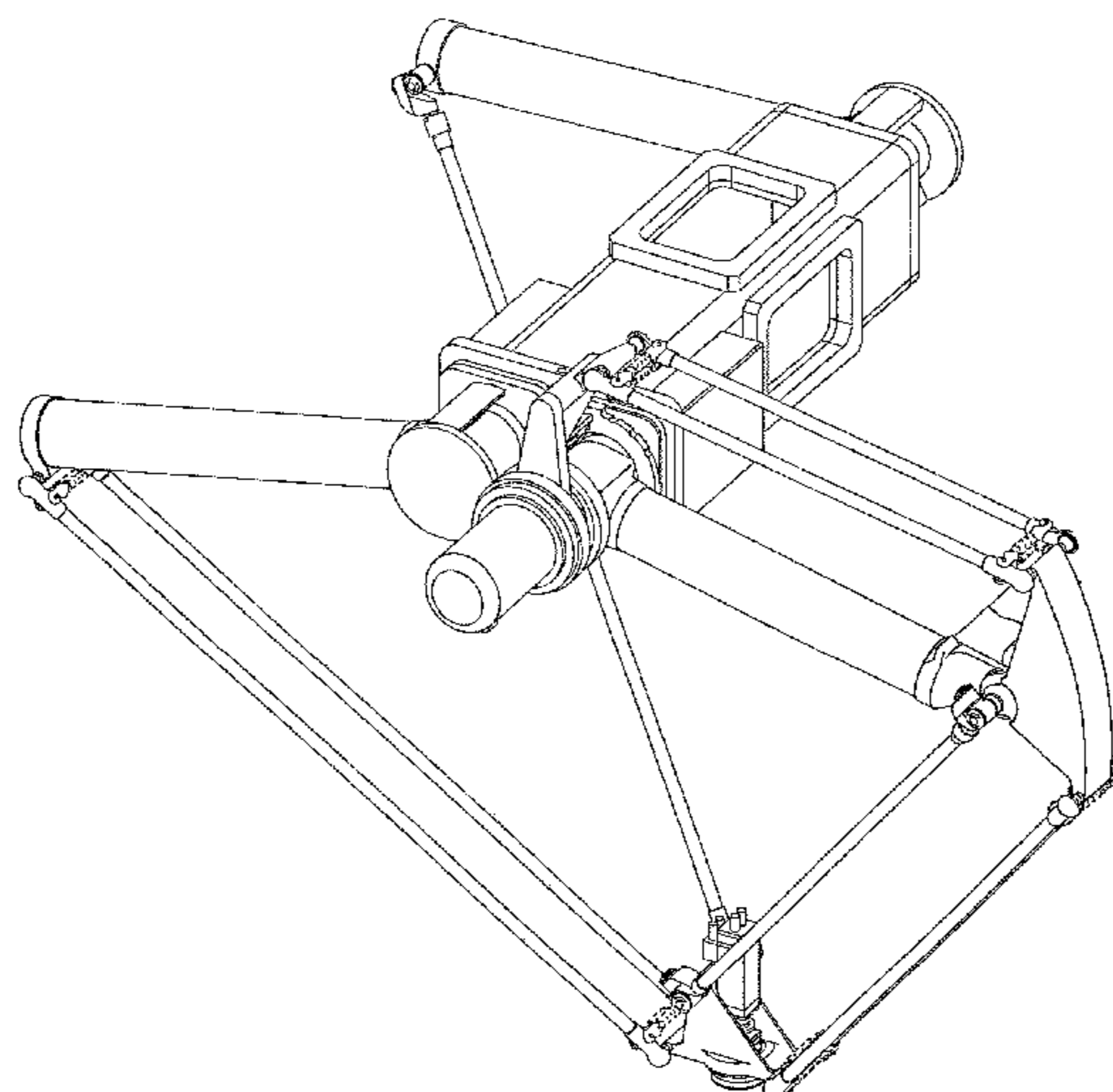
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(57) **CLAIM**
The ornamental design for an industrial robot, as shown and described.

DESCRIPTION

FIG. 1 is a top front isometric view of an industrial robot in accordance with the new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a front elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a left side elevational view thereof; and,
FIG. 7 is a top plan view thereof.
The broken lines in the drawings depict unclaimed environmental subject matter.

1 Claim, 7 Drawing Sheets



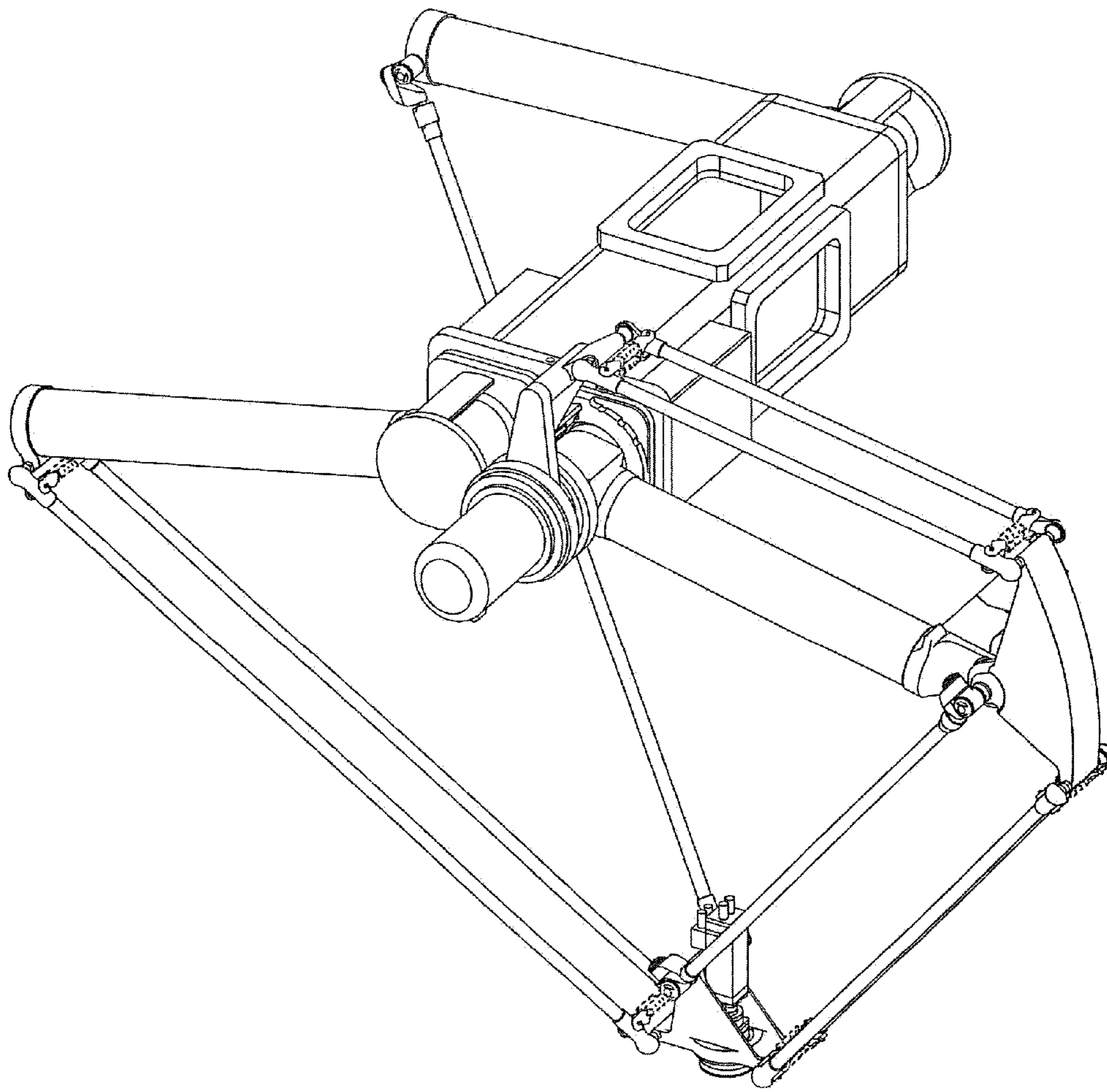


FIG. 1

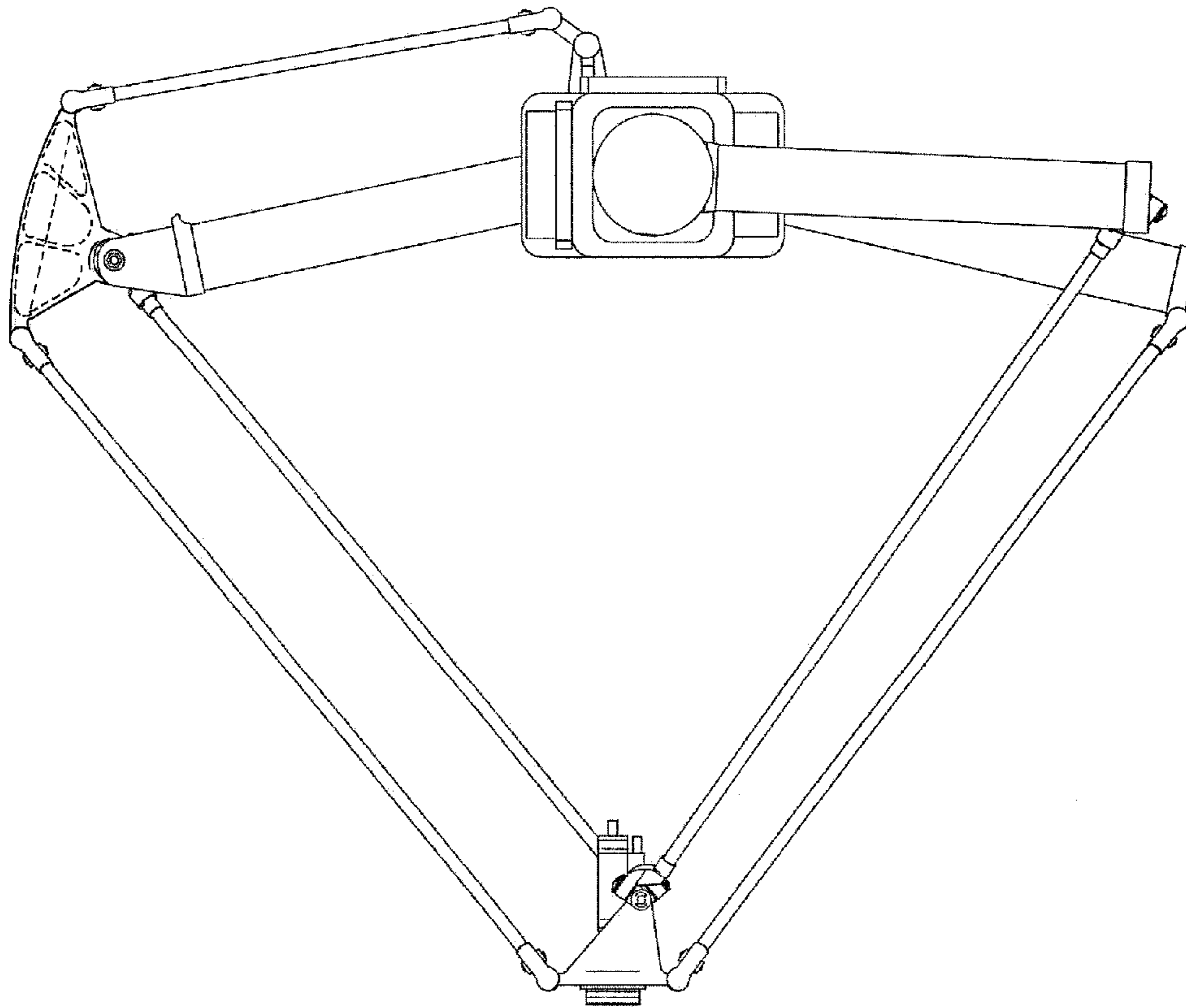


FIG. 2

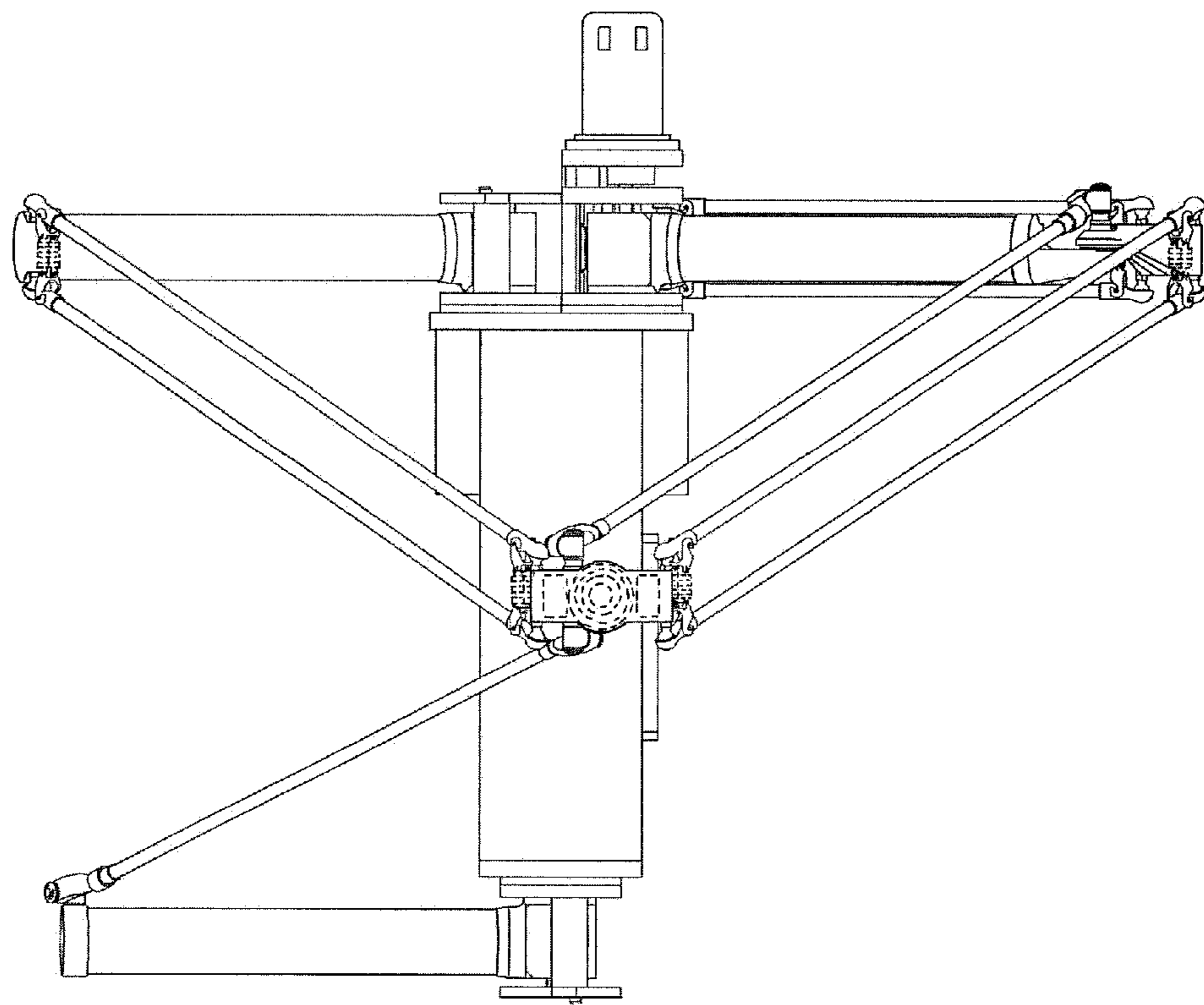


FIG. 3

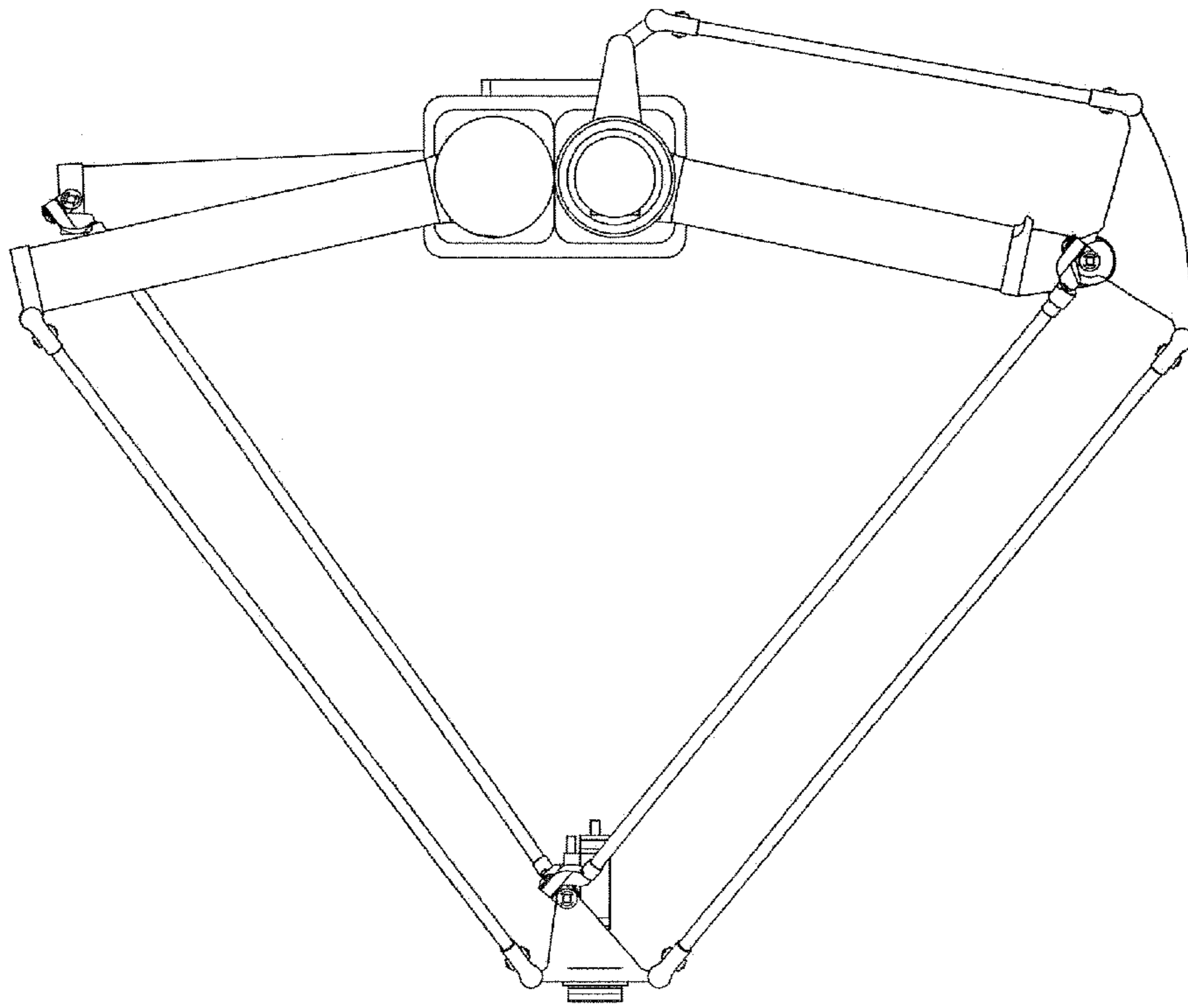


FIG. 4

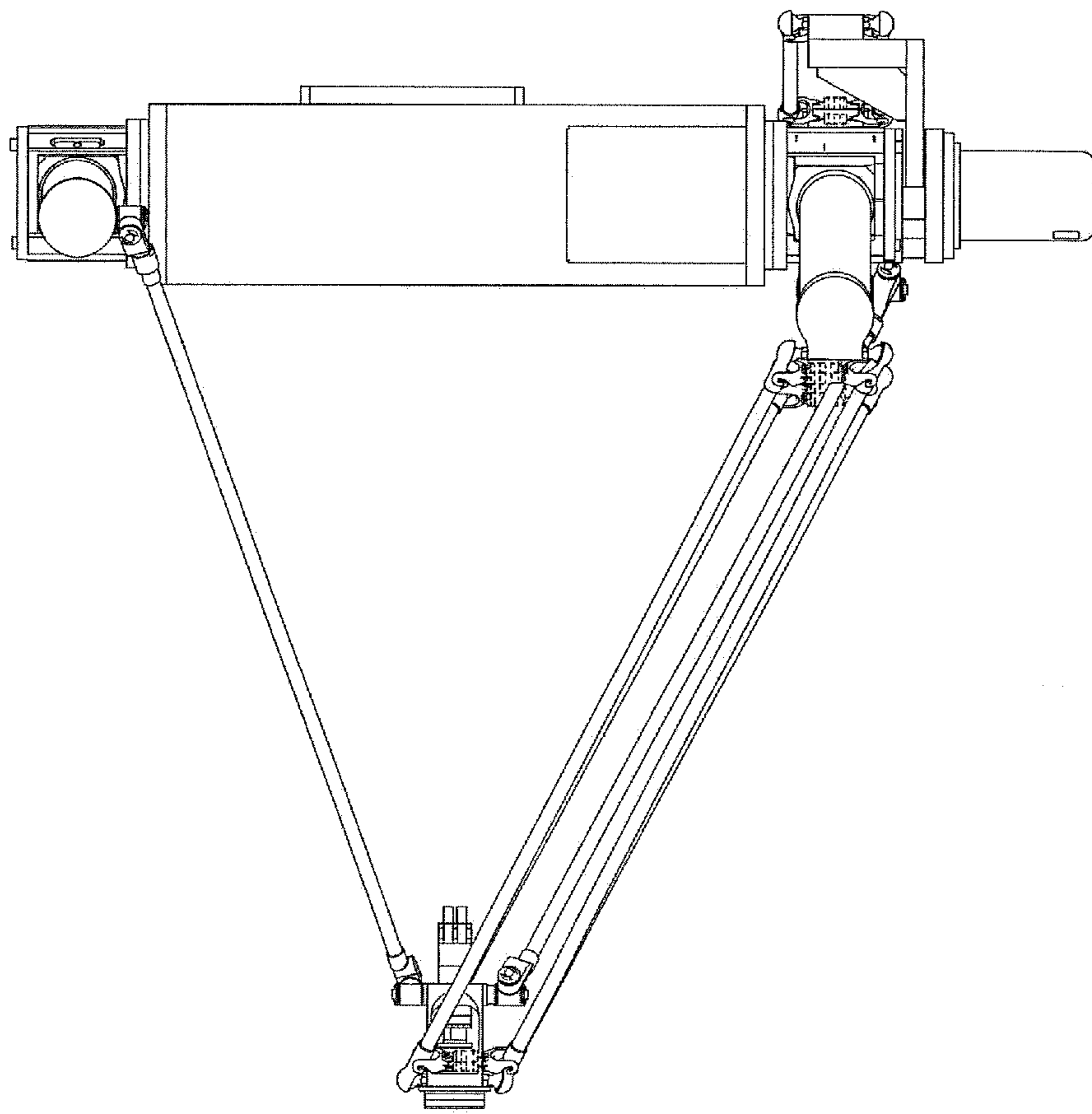


FIG. 5

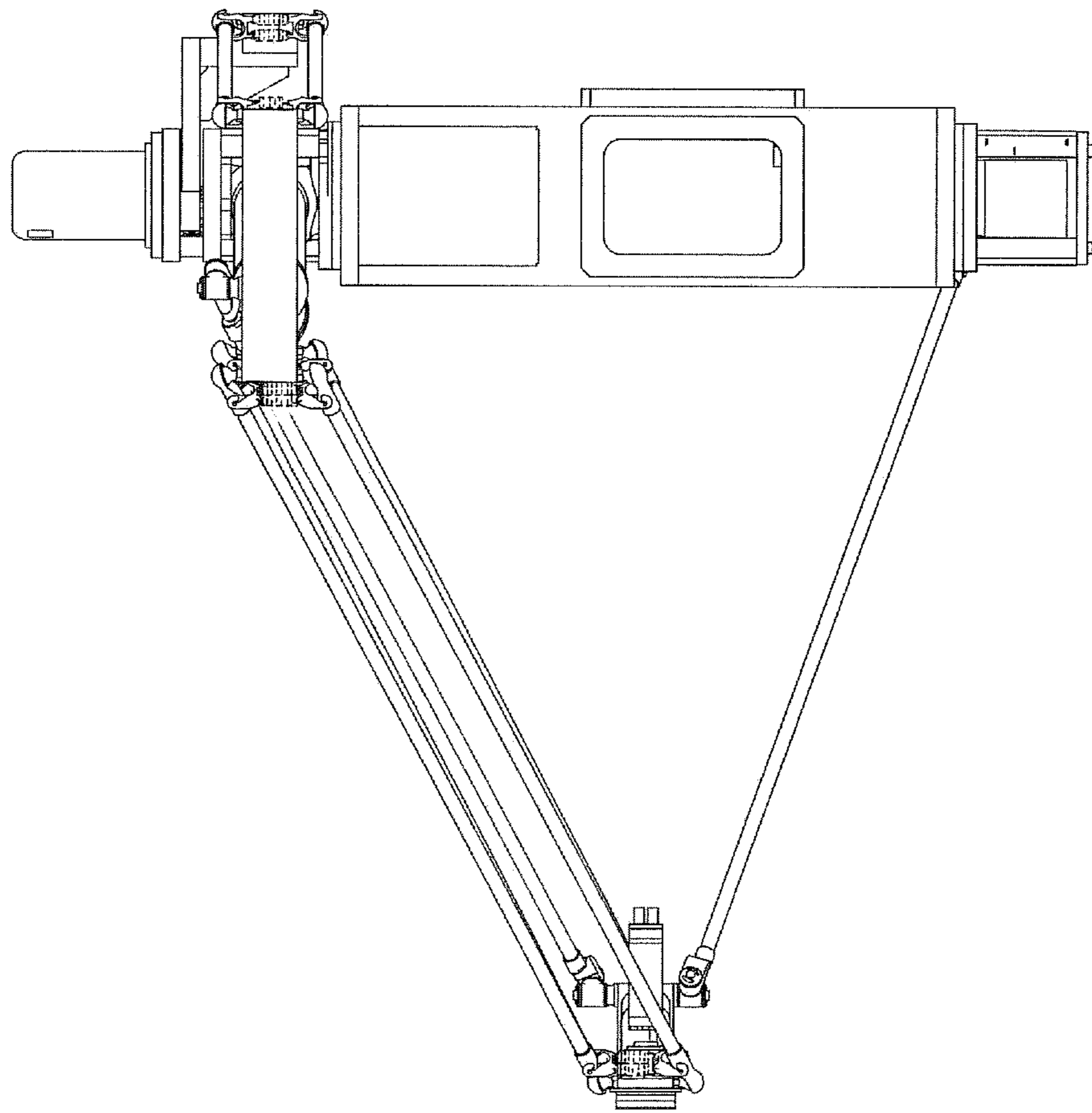


FIG. 6

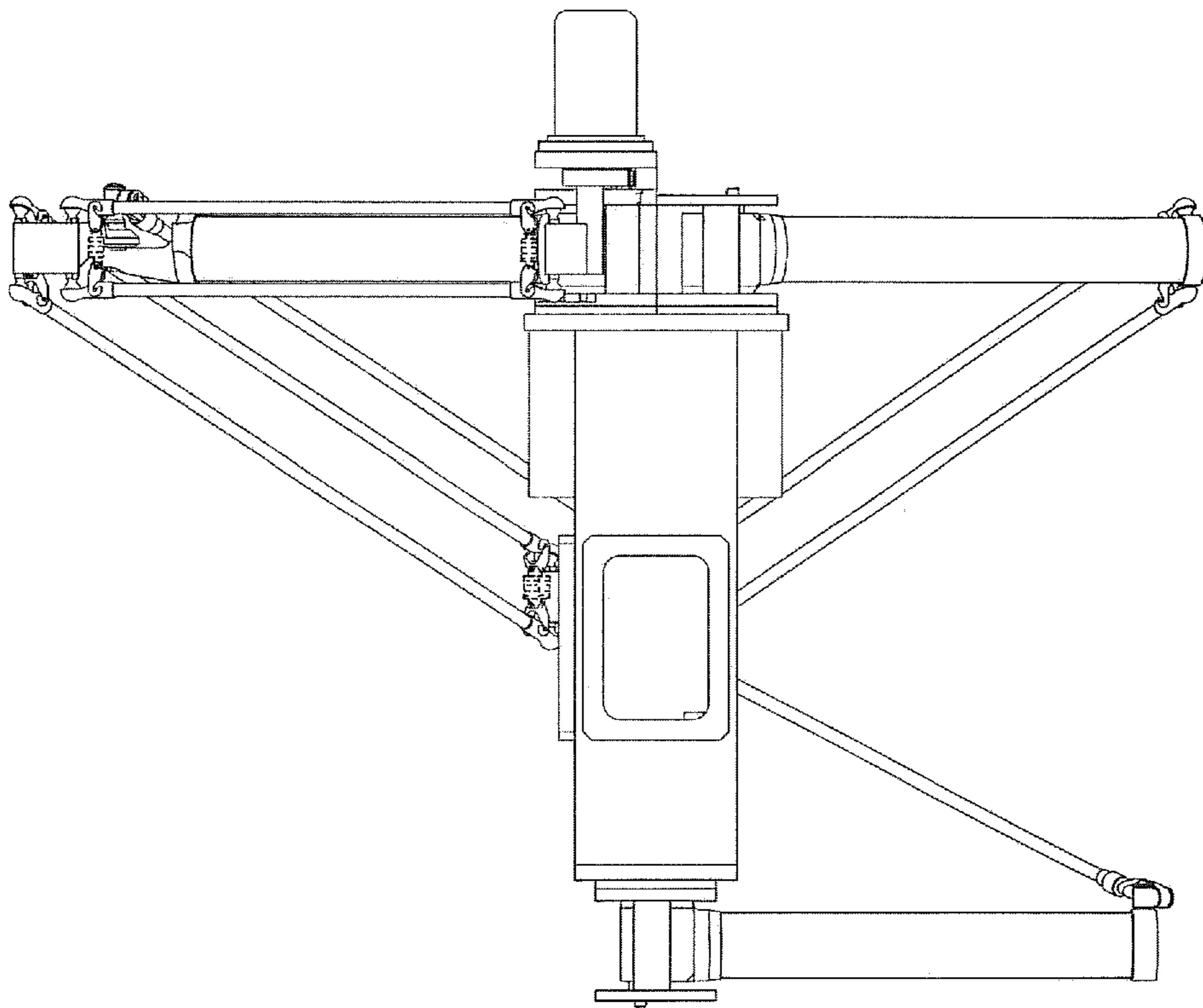


FIG. 7