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

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(54) **TORSO-SUPPORT APPARATUS**

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(73) Assignee: **Operating Room Safety Enterprises, LLC**, Berwyn, PA (US)

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

(21) Appl. No.: **29/386,121**

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6,526,610	B1	3/2003	Hand et al.	
6,622,324	B2 *	9/2003	VanSteenburg et al.	5/621
6,941,951	B2	9/2005	Hubert et al.	
7,036,512	B2	5/2006	Harnois	
7,137,160	B2	11/2006	Hand et al.	
7,152,261	B2	12/2006	Jackson	
7,197,778	B2	4/2007	Sharps	
7,343,635	B2	3/2008	Jackson	
7,343,916	B2	3/2008	Biondo et al.	
7,520,008	B2	4/2009	Wong et al.	
7,600,281	B2 *	10/2009	Skriggs	5/621
D604,422	S *	11/2009	Albrecht et al.	D24/183
7,614,639	B2	11/2009	Tholkes et al.	

(Continued)

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 12/905,018, filed on Oct. 14, 2010.

(51) **LOC (9) Cl.** ..... **24-01**

(52) **U.S. Cl.** ..... **D24/184**

(58) **Field of Classification Search** ..... D24/183-184, D24/171; D6/360, 392; 5/600, 608, 610, 5/613-614, 621-624, 632; 602/32; 128/845-846; 606/242

See application file for complete search history.

**OTHER PUBLICATIONS**

Allen Medical Systems, "Intraoperative Adjustment from Kyphosis to Lordosis", Announcement Allen Medical Systems, Feb. 6, 2006, pp. 1-4.

(Continued)

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(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,750,659	A	8/1973	Loomans	
4,029,089	A	6/1977	Mulholland	
D248,406	S *	7/1978	Hodge	D6/360
4,296,761	A	10/1981	Tyo	
4,354,485	A *	10/1982	Safadago	606/242
4,827,541	A *	5/1989	Vollman et al.	5/613
D304,614	S *	11/1989	Guttormsen	D24/183
D307,055	S	4/1990	Johnston	
D320,663	S *	10/1991	Brann	D24/183
5,088,706	A *	2/1992	Jackson	5/608
5,131,106	A	7/1992	Jackson	
D344,802	S *	3/1994	Kuck et al.	D24/183
D347,604	S	6/1994	Ernst et al.	
D356,527	S	3/1995	Wohnsen et al.	
5,489,258	A	2/1996	Wohnsen et al.	
5,618,055	A	4/1997	Mulholland	
6,076,525	A *	6/2000	Hoffman	128/845
6,154,901	A	12/2000	Carr	
6,428,497	B1 *	8/2002	Crouch	602/32

(57) **CLAIM**

The ornamental design for a torso-support apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a top-isometric-view of an exemplary torso-support apparatus;

FIG. 2 a bottom-isometric-view thereof;

FIG. 3 is a right-side view thereof;

FIG. 4 is head-end-side view thereof;

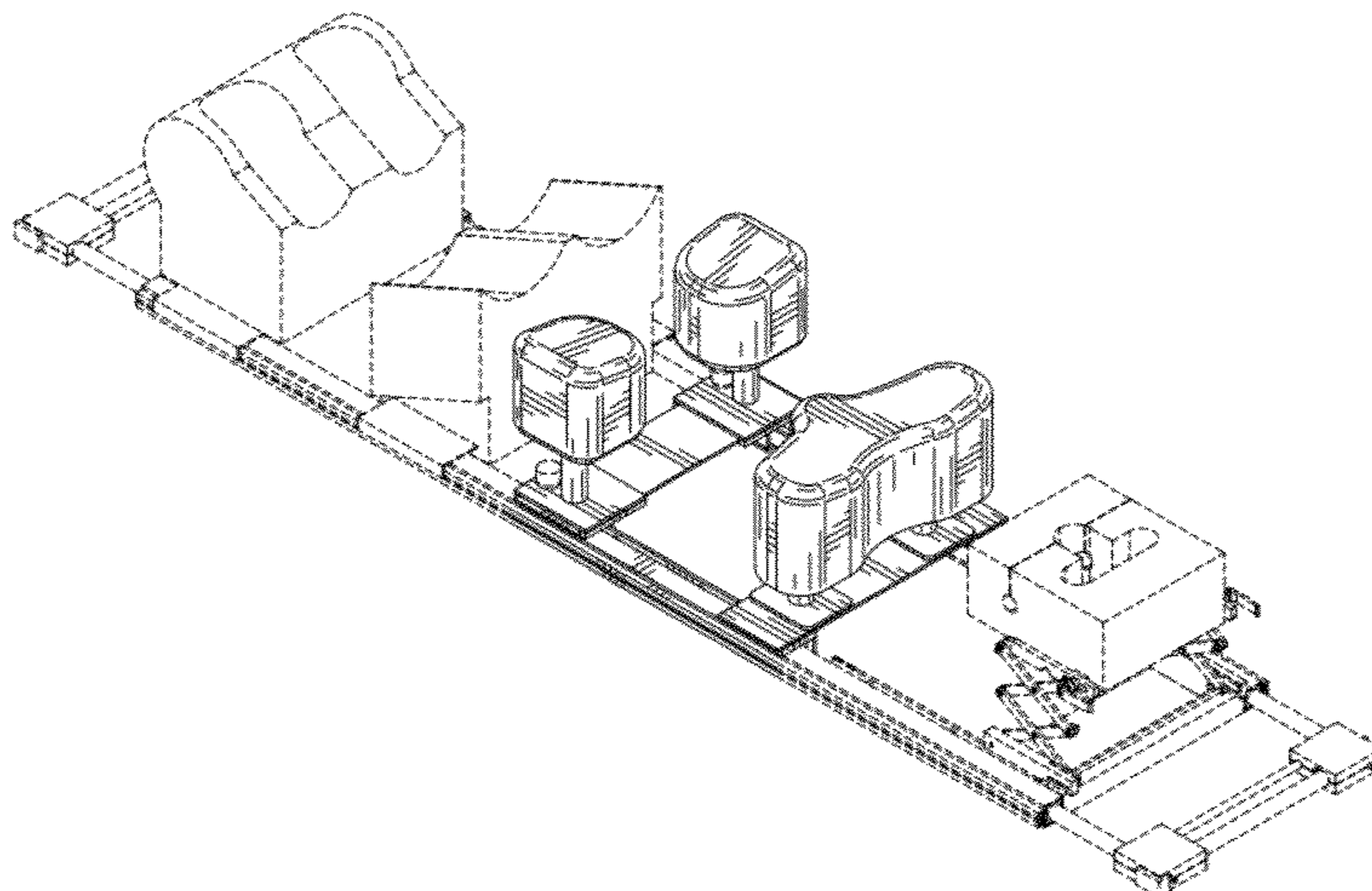
FIG. 5 is a foot-end-side view thereof;

FIG. 6 is top-view thereof; and,

FIG. 7 is bottom-view thereof.

The broken lines showing the apparatus, or portion thereof, is not a part of the claimed design.

**1 Claim, 4 Drawing Sheets**



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## U.S. PATENT DOCUMENTS

D612,942	S	3/2010	Verdon-Roe
2006/0242765	A1	11/2006	Skripps et al.
2007/0192960	A1	8/2007	Jackson
2009/0282614	A1	11/2009	Jackson
2010/0024128	A1	2/2010	Skripps

## OTHER PUBLICATIONS

PCT Search Report mailed Feb. 17, 2011 for PCT Application No. PCT/US2010/052740.  
“Radiolucent Wilson Frame”, Orthopedic Systems, Inc. (OSI),  
Poster, 1998, 1 page.

\* cited by examiner



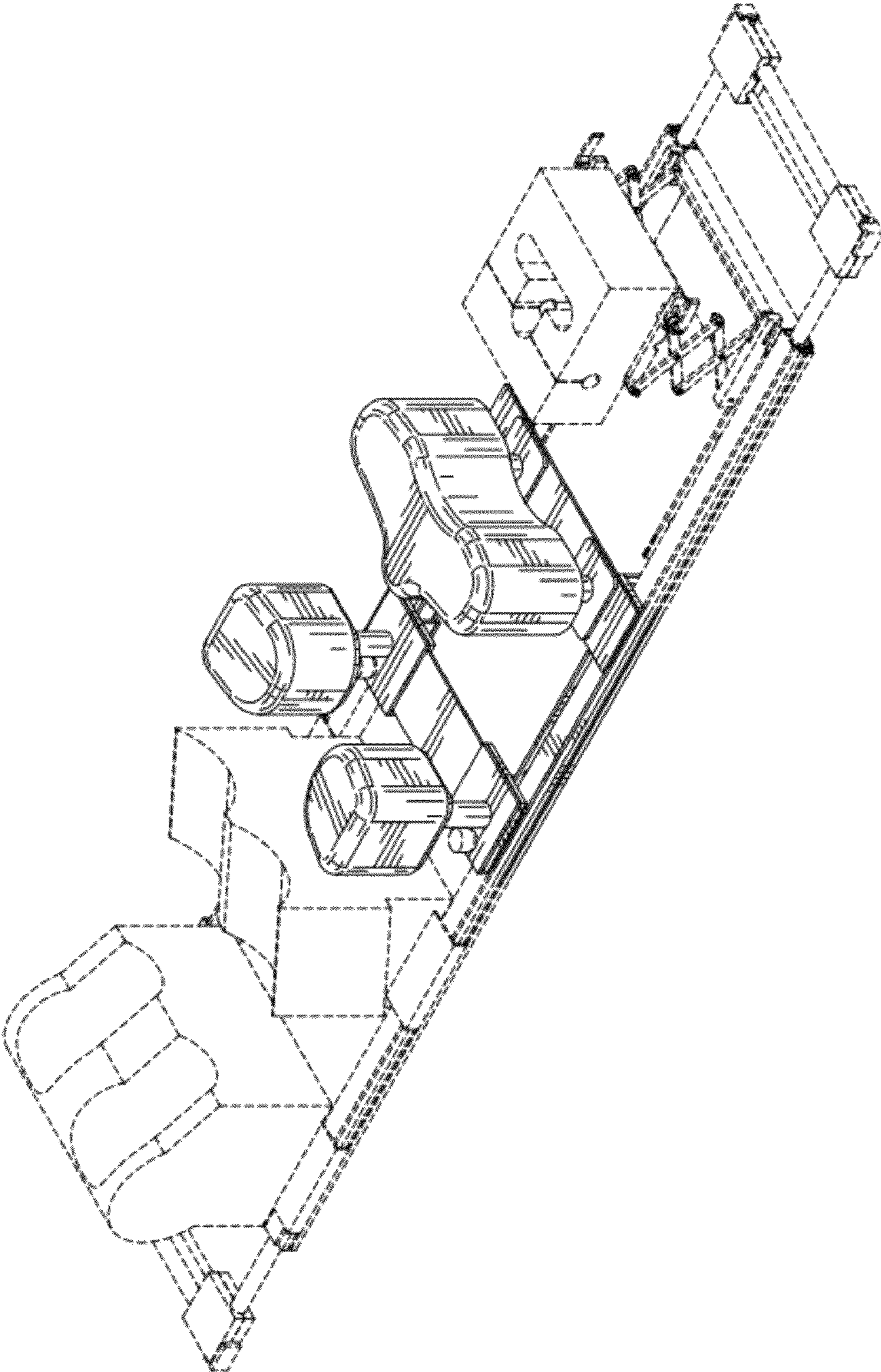


FIG. 1



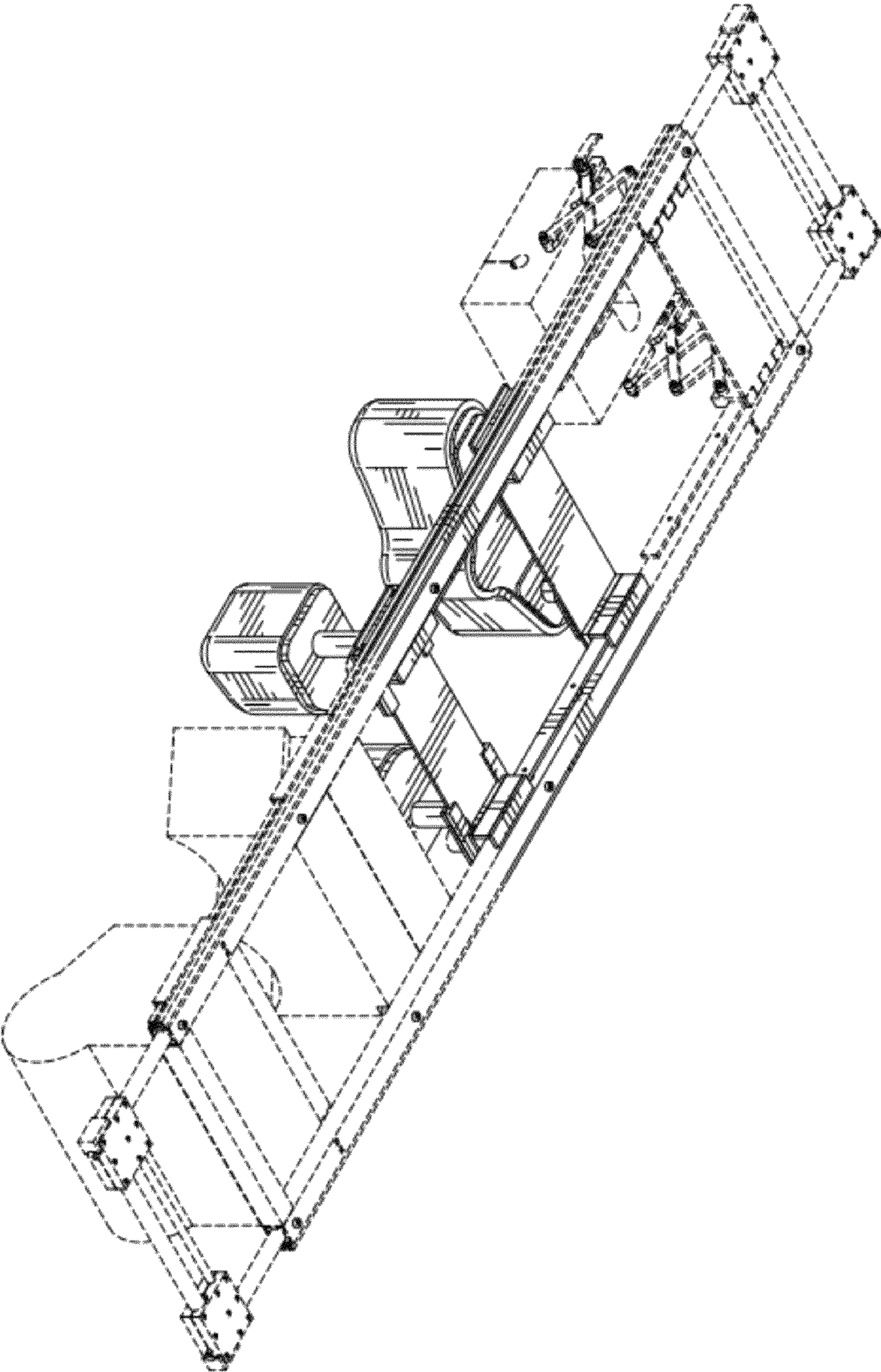


FIG. 2



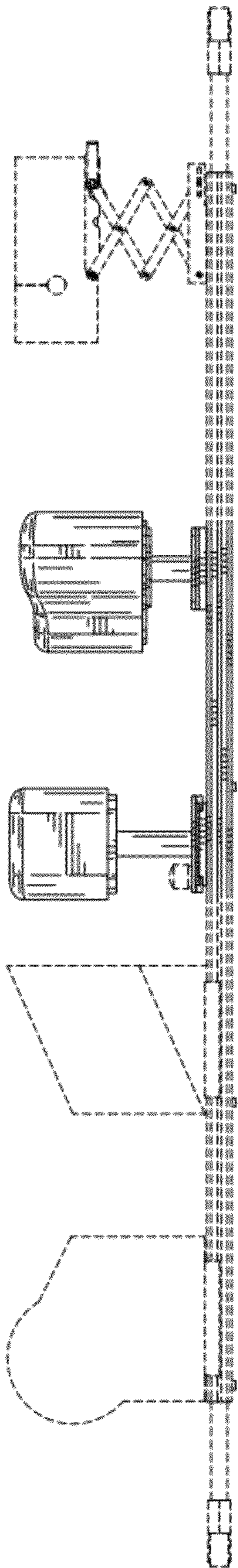


FIG. 3



FIG. 5

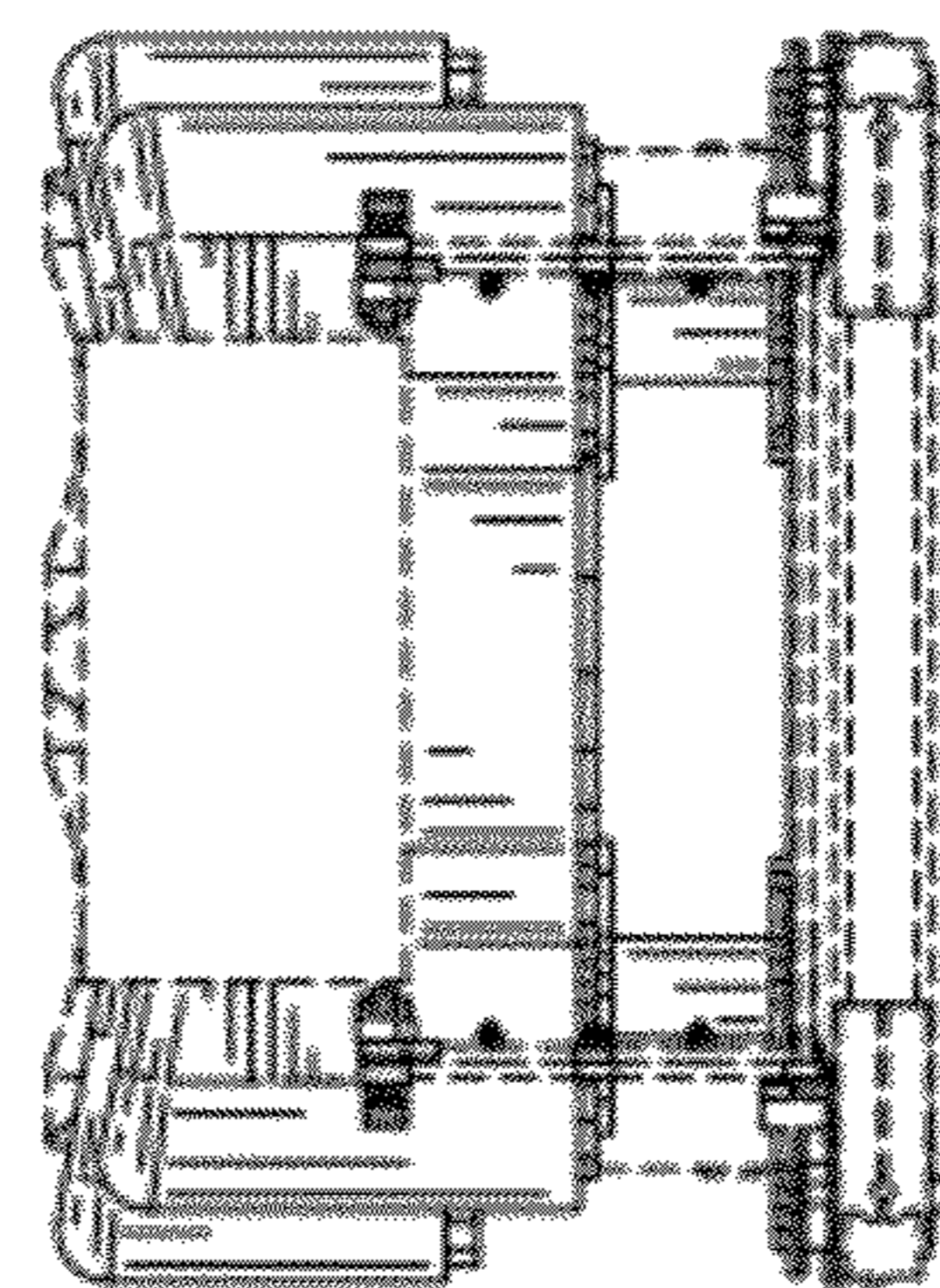


FIG. 4



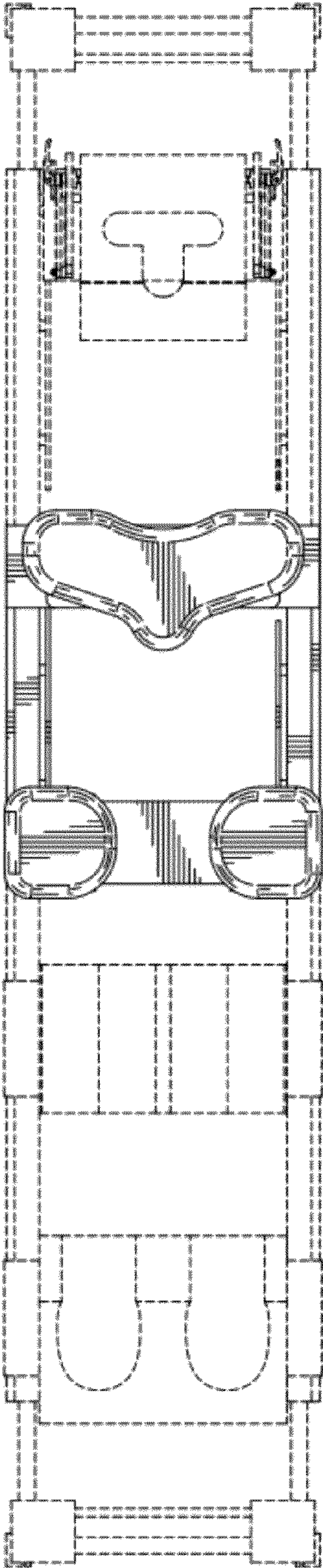


FIG. 6

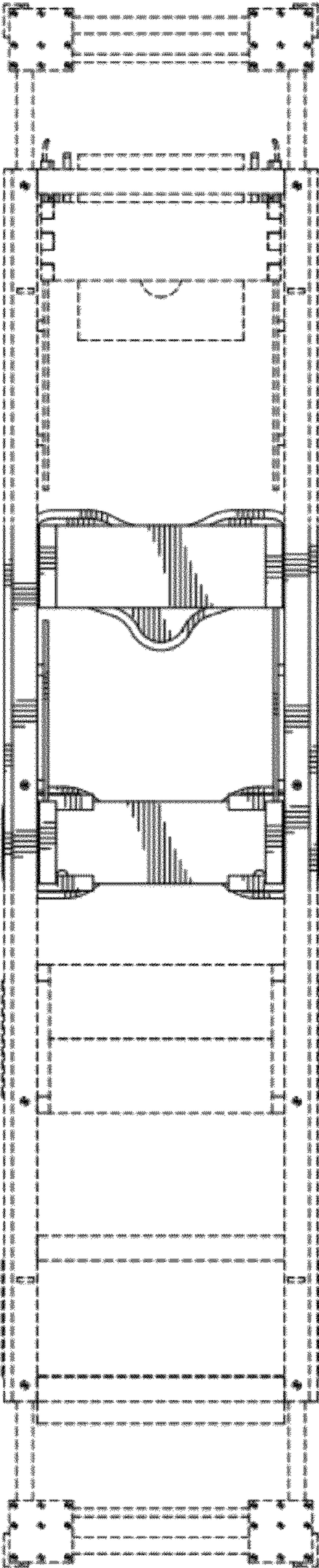


FIG. 7