

US00D699636S

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

(10) **Patent No.:** **US D699,636 S**

(45) **Date of Patent:** **\*\* Feb. 18, 2014**

(54) **WHEELCHAIR LIFT ASSIST MECHANISM**

(71) Applicant: **David Braaten**, Sunburg, MN (US)

(72) Inventor: **David Braaten**, Sunburg, MN (US)

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

(21) Appl. No.: **29/441,739**

(22) Filed: **Jan. 9, 2013**

(51) **LOC (10) Cl.** ..... **12-12**

(52) **U.S. Cl.**  
USPC ..... **D12/133; D12/131**

(58) **Field of Classification Search**  
USPC ..... D12/128-133; 280/62, 647-650, 29,  
280/200, 47.38, 250.1, 259, 642, 658, 220,  
280/5.24; 297/183.6, 337, 313, 325, 316,  
297/423.26, 330, 331, 339; 482/51  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,442,303	A	8/1945	Mayfield	
2,539,034	A	9/1948	Ruby	
3,915,494	A	10/1975	Somerset	297/339
3,954,195	A	5/1976	Deuchar	214/82
4,455,029	A	6/1984	Taylor	280/5.28
4,519,649	A	5/1985	Tanaka et al.	297/316
4,569,556	A	2/1986	Pilot	297/316
4,573,736	A	3/1986	Levenberg	297/339
4,632,455	A	12/1986	Schiller et al.	297/326
4,690,457	A	9/1987	Poncy et al.	297/337
4,838,612	A	6/1989	Cross	297/338
4,907,303	A	3/1990	Baird	4/480
4,929,022	A	5/1990	Geraci	297/313
4,979,726	A	12/1990	Geraci	297/313
5,082,327	A	1/1992	Crisp	297/313
5,108,202	A	4/1992	Smith	297/330
5,316,370	A	5/1994	Newman	297/313
5,498,064	A	3/1996	Hooker et al.	297/339
5,513,867	A	5/1996	Bloswick et al.	280/250.1
6,425,634	B1	7/2002	Romero	297/331
6,637,818	B2 *	10/2003	Williams	297/330
6,851,751	B1	2/2005	Romero et al.	297/331
7,000,988	B2	2/2006	Bressler et al.	297/325

7,165,778	B2 *	1/2007	Kuiken	280/250.1
7,222,921	B2 *	5/2007	Farnella et al.	297/423.26
7,234,776	B2 *	6/2007	Laffin	297/316
7,247,128	B2 *	7/2007	Oga	482/51
7,434,882	B1	10/2008	Hodges	297/335
7,540,565	B2 *	6/2009	Lipford	297/325
7,644,932	B2 *	1/2010	Heng	280/5.24
7,669,863	B2	3/2010	Steiner et al.	280/87.05
7,722,119	B1 *	5/2010	Delmestri et al.	297/313
7,735,926	B1	6/2010	Combs	297/339
D648,248	S	11/2011	Braaten	
8,113,587	B1 *	2/2012	Zarinfar et al.	297/337
8,360,518	B2 *	1/2013	Braaten	297/183.6
8,511,699	B2 *	8/2013	Balcom et al.	280/250.1

\* cited by examiner

*Primary Examiner* — Ian Simmons

*Assistant Examiner* — Charles Hanson

(74) *Attorney, Agent, or Firm* — Ostrow Kaufman LLP

(57) **CLAIM**

The ornamental design for wheelchair lift assist mechanism, as shown and described.

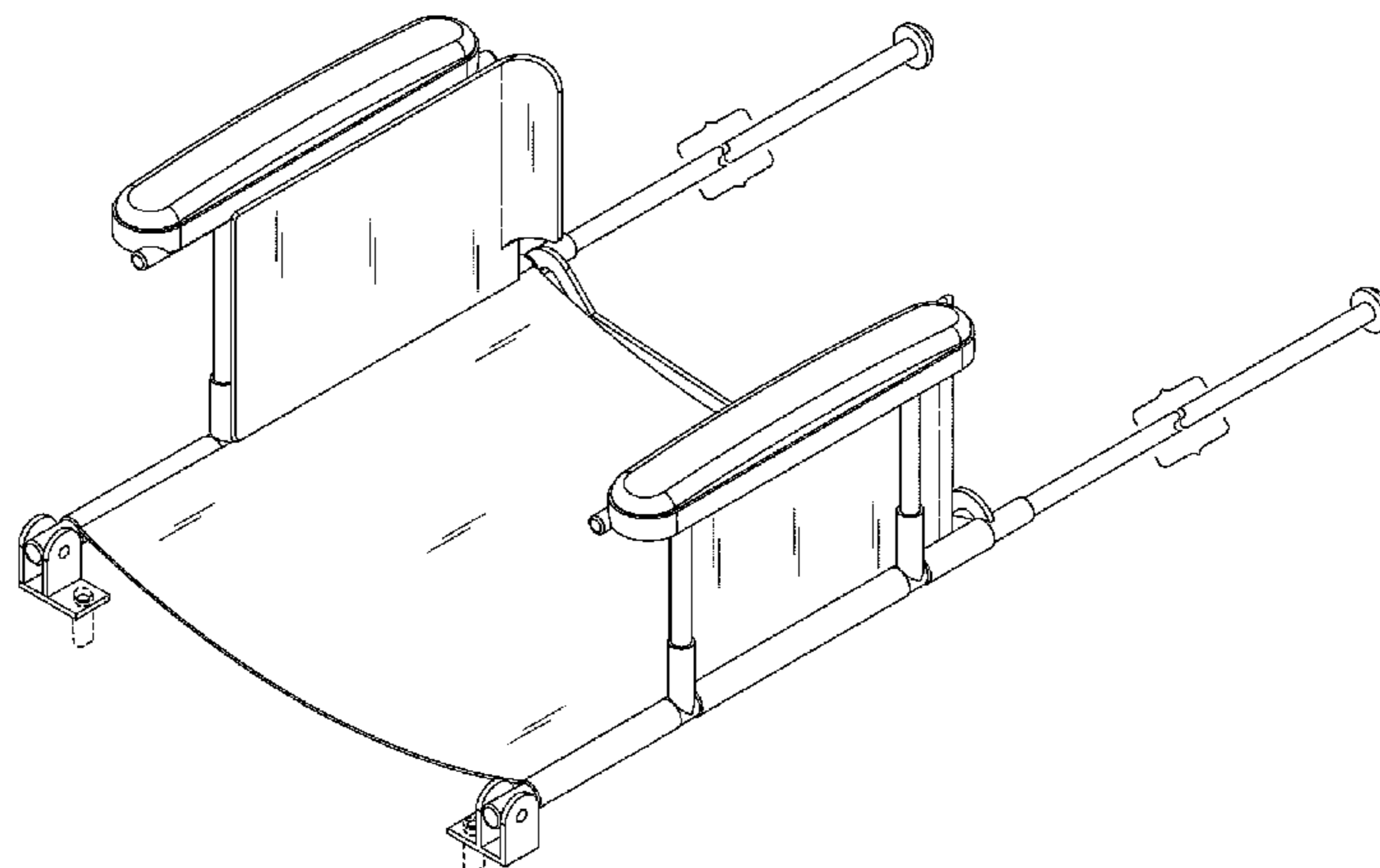
**DESCRIPTION**

FIG. 1 is a perspective view of one side and the front of the wheelchair lift assist mechanism according to one embodiment of my new design;  
 FIG. 2 is a front view thereof;  
 FIG. 3 is a back view thereof;  
 FIG. 4 is a left side view thereof;  
 FIG. 5 is a right side view thereof;  
 FIG. 6 is a top view thereof; and,  
 FIG. 7 is a bottom view thereof.

The broken line showing of the front pegs in FIG. 1 is included for the purpose of illustrating environment and forms no part of the claimed design.

The handles in FIGS. 1, 4-7 are shown broken in the middle to indicate indeterminate length, with the understanding that the "indeterminate" length portion of the article not shown forms no part of the claim design. Patentability is based only on those portions of the article that are shown in solid lines.

**1 Claim, 7 Drawing Sheets**



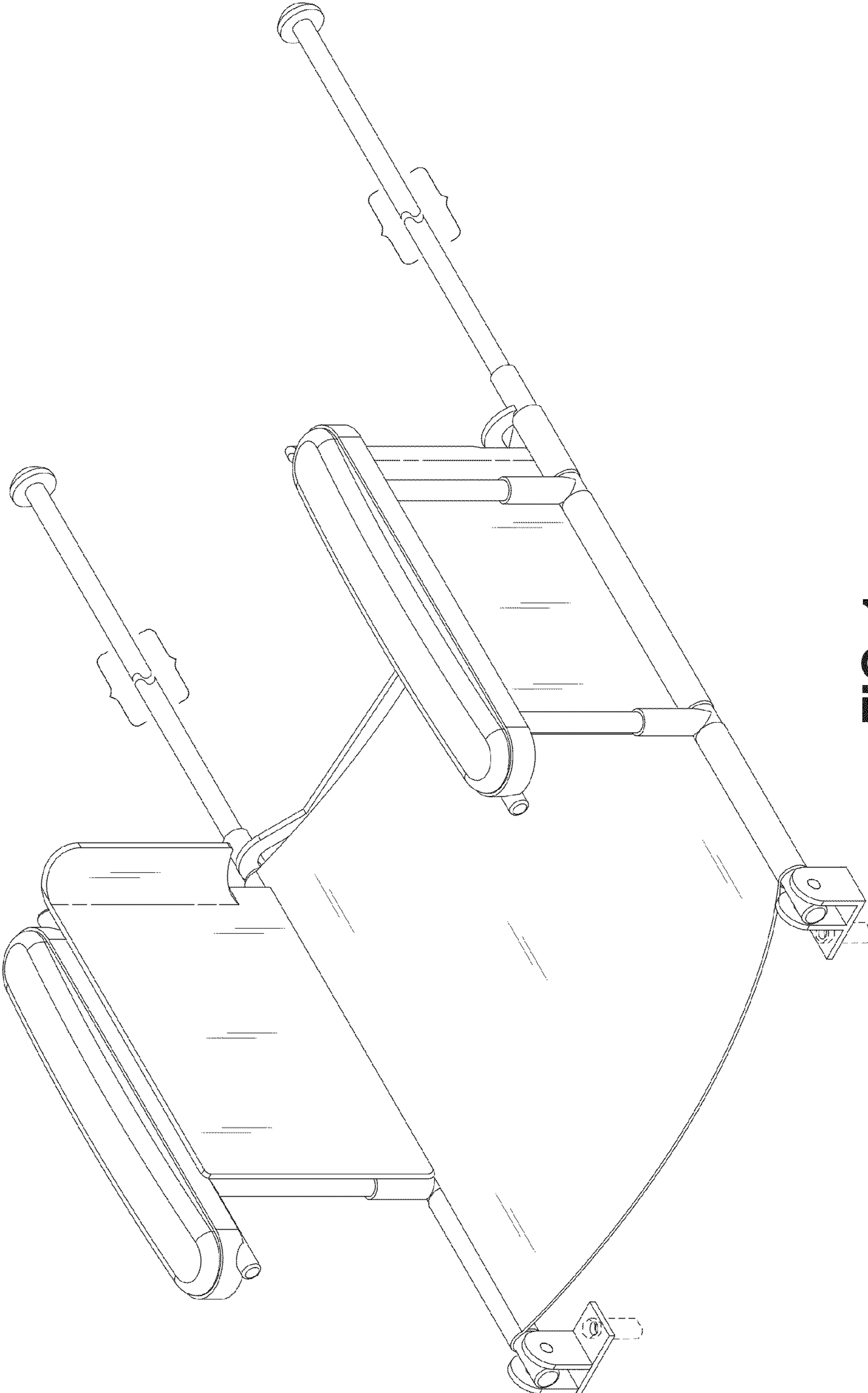


FIG. 1

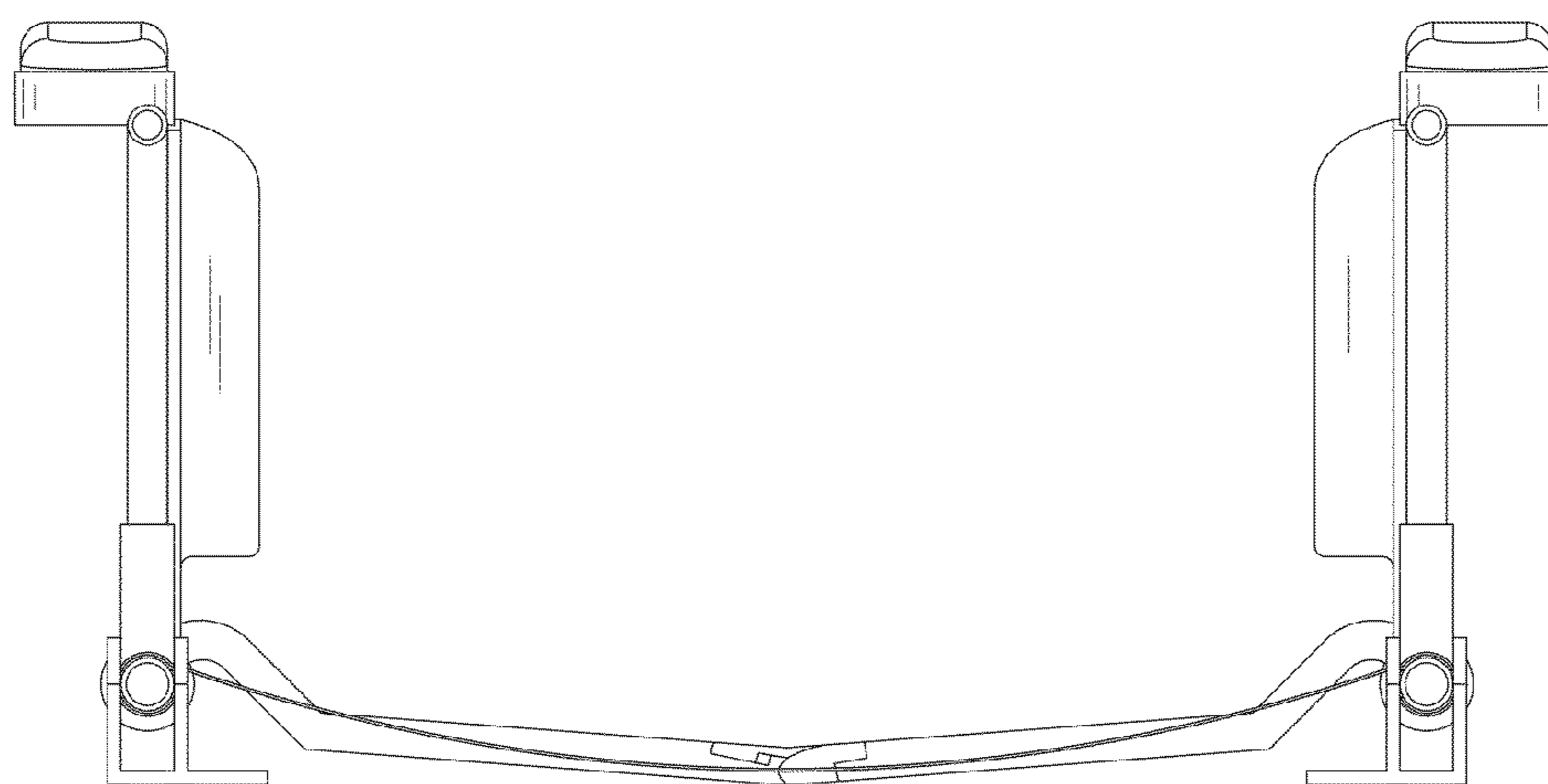
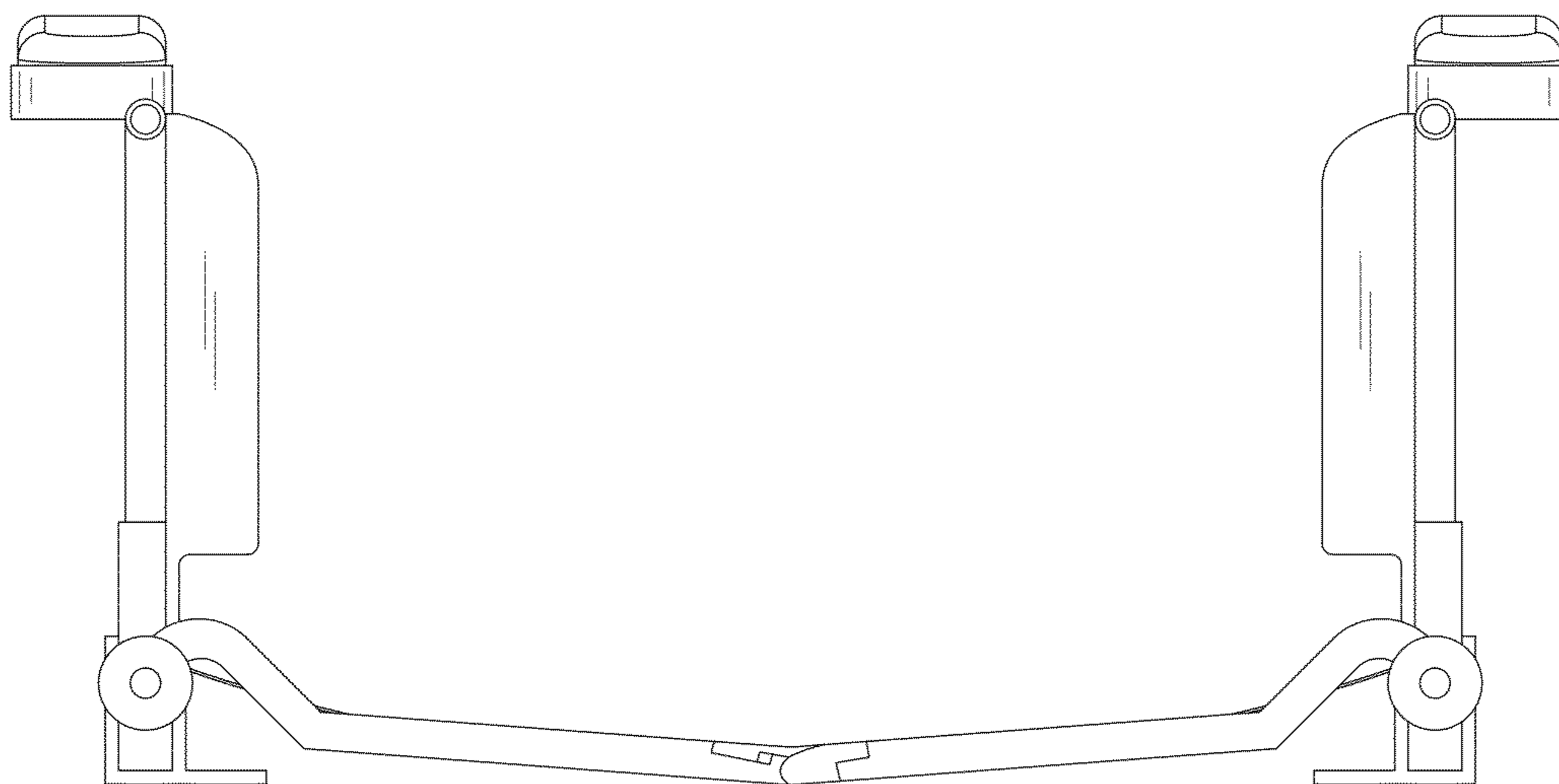


FIG. 2



**FIG. 3**

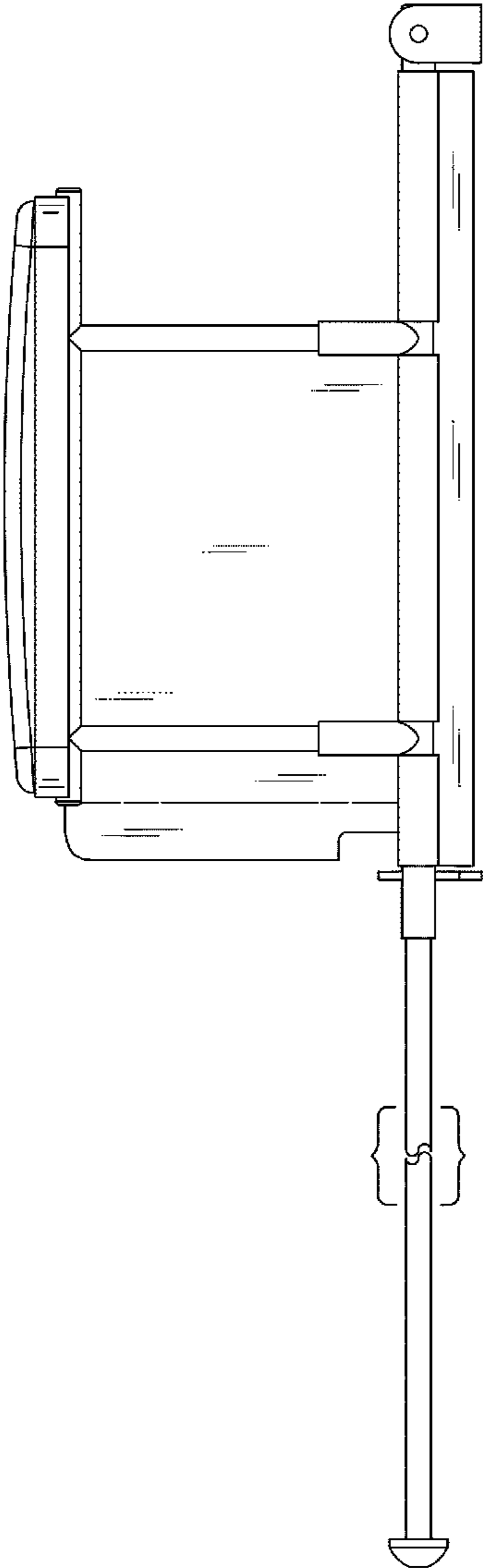


FIG. 4

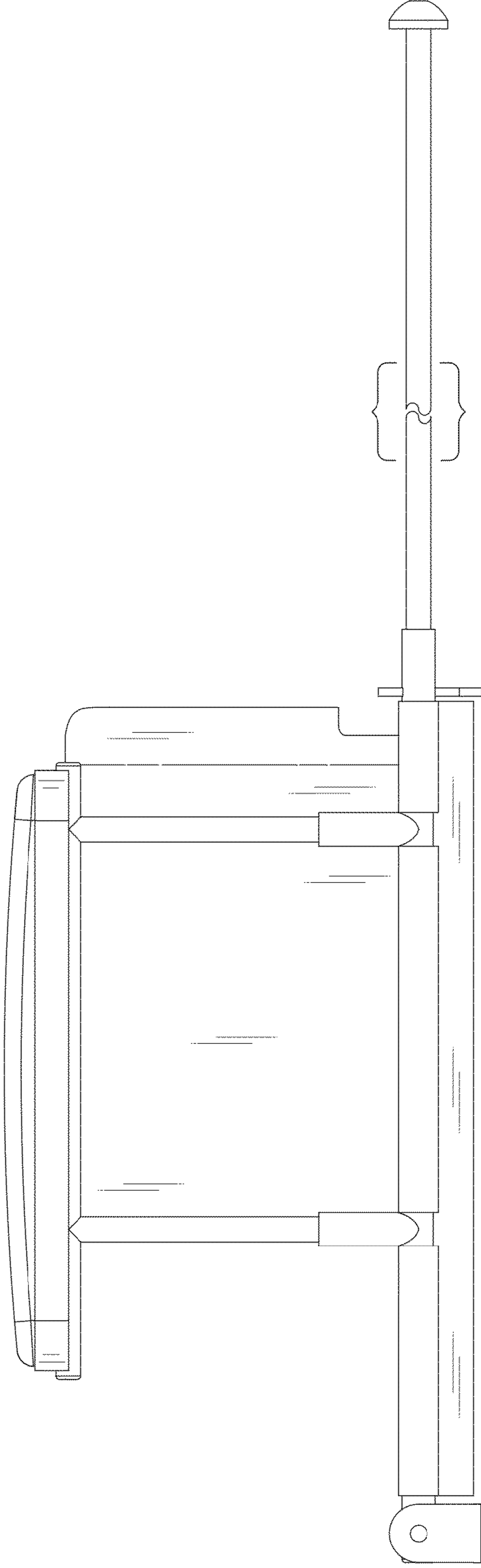


FIG. 5

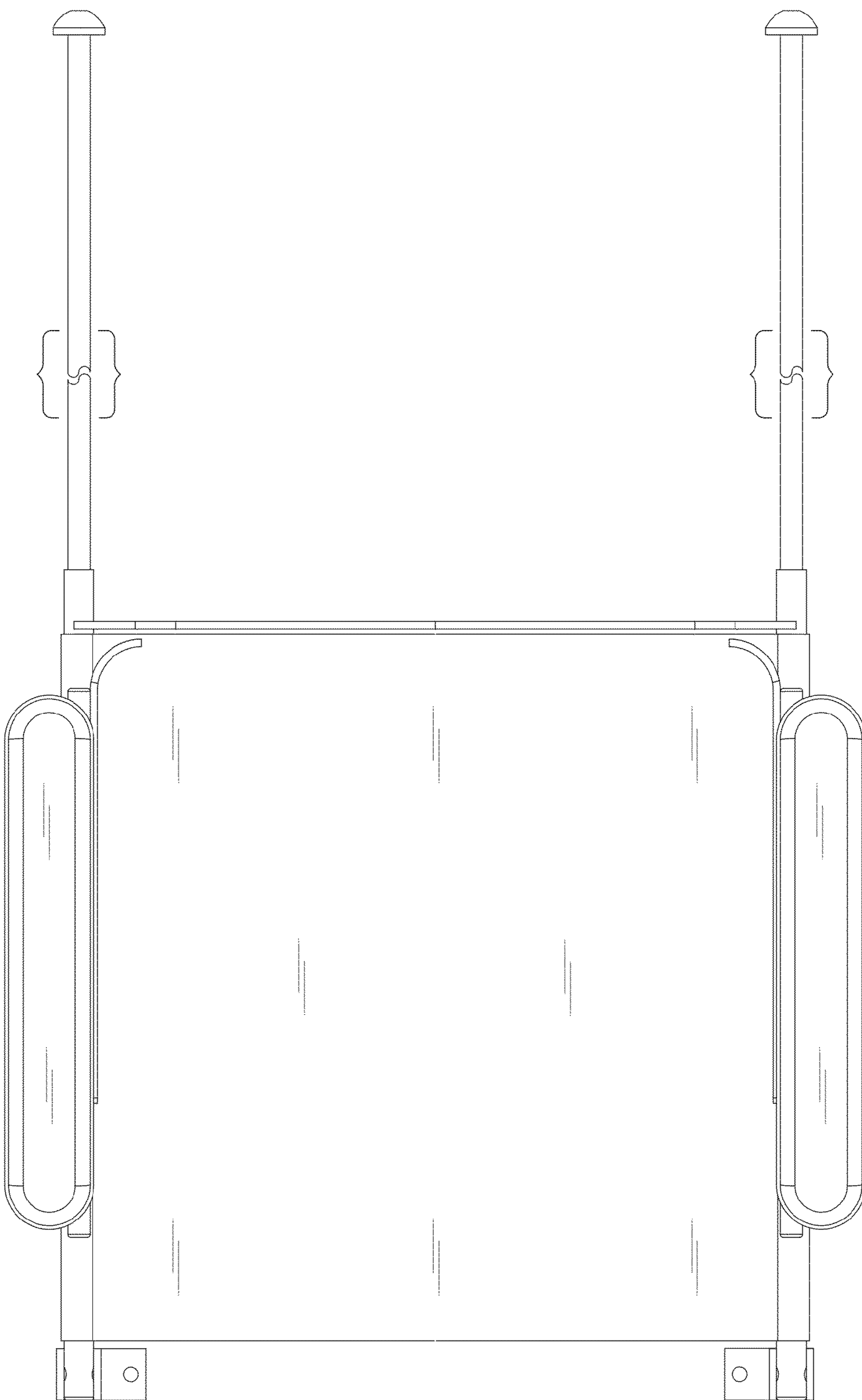


FIG. 6

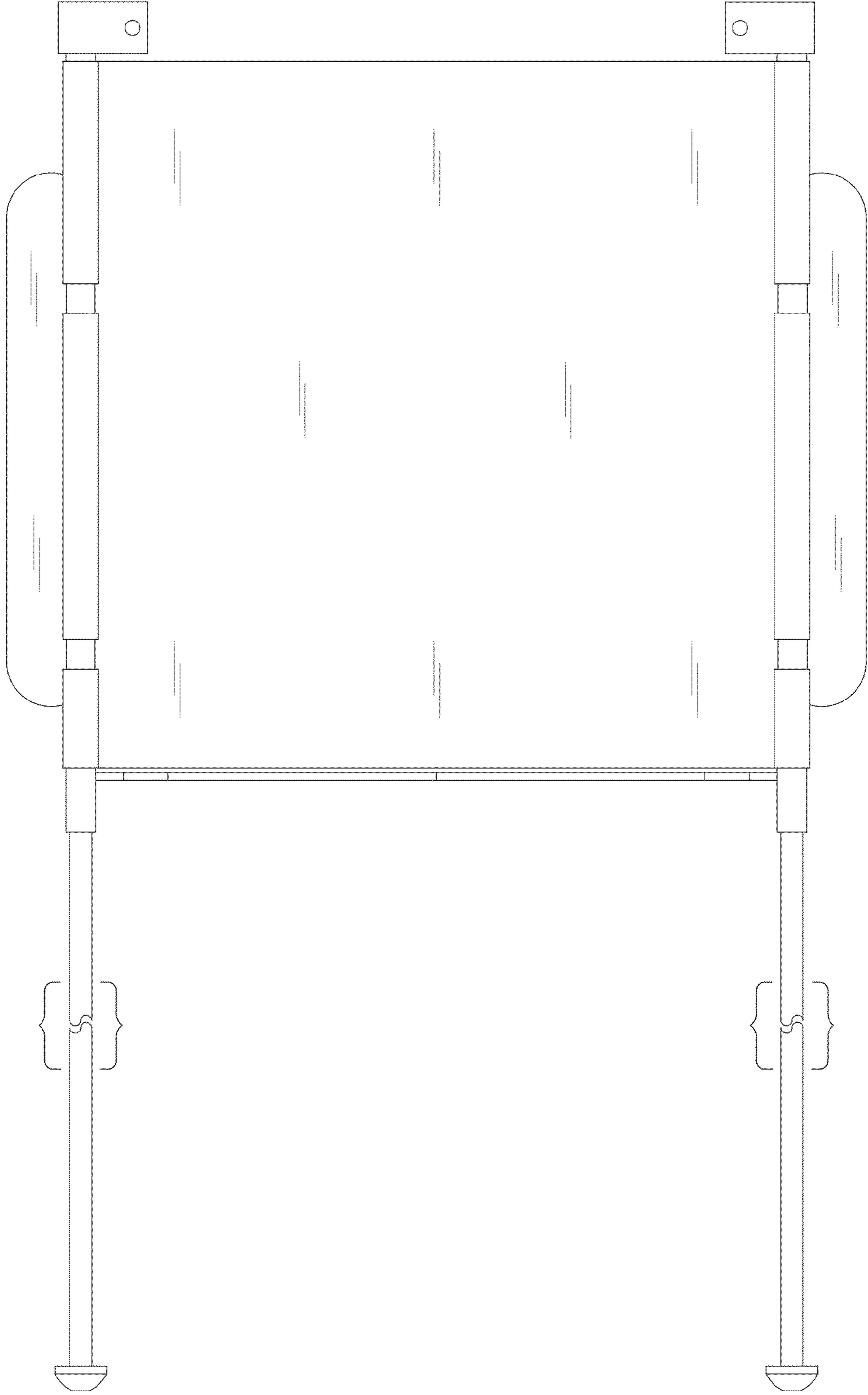


FIG. 7