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

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(54) **CHAIR FRAME STRUCTURE**

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

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(51) **LOC (12) Cl.** ..... **06-01**

(52) **U.S. Cl.**  
USPC ..... **D6/708.16**

(58) **Field of Classification Search**  
USPC ..... D6/334-336, 368, 373, 374, 376, 379,  
D6/380, 716, 716.1, 716.2, 716.3, 716.4,  
D6/708.16  
CPC .. A47C 3/04; A47C 3/045; A47C 4/03; A47C  
4/04; A47C 4/18; A47C 4/20; A47C 5/04;  
A47C 5/10; A47C 7/40

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,899,525 A \* 5/1999 Tseng ..... A47C 4/20  
297/51
- 6,860,556 B2 \* 3/2005 Barile, Sr. .... A47C 3/04  
297/239
- D509,084 S \* 9/2005 Barile, Jr. .... D6/716
- 7,147,286 B2 \* 12/2006 Cesaroni ..... A47C 3/04  
297/239
- D594,669 S \* 6/2009 Asano ..... D6/376
- D600,935 S \* 9/2009 Koh ..... D6/374
- D600,936 S \* 9/2009 Koh ..... D6/376
- 7,717,511 B2 \* 5/2010 Huang ..... A47C 3/045  
297/239
- D687,642 S \* 8/2013 Hsuan-Chin ..... D6/376

- 8,506,008 B2 \* 8/2013 Pan ..... A47C 3/045  
297/160
- D689,297 S \* 9/2013 Su ..... D6/376
- D756,140 S \* 5/2016 Kumazawa ..... D6/368
- D758,088 S \* 6/2016 Hurford ..... D6/376
- D787,216 S \* 5/2017 Pillet ..... D6/375
- D811,789 S \* 3/2018 Fletcher ..... D6/708.16
- D817,019 S \* 5/2018 Borrelli ..... D6/376
- D820,072 S \* 6/2018 Choi ..... D6/708.16

**FOREIGN PATENT DOCUMENTS**

- CA 2311234 A1 \* 12/2000 ..... A47C 1/121
- WO WO-2007109699 A2 \* 9/2007 ..... A47C 1/121

\* cited by examiner

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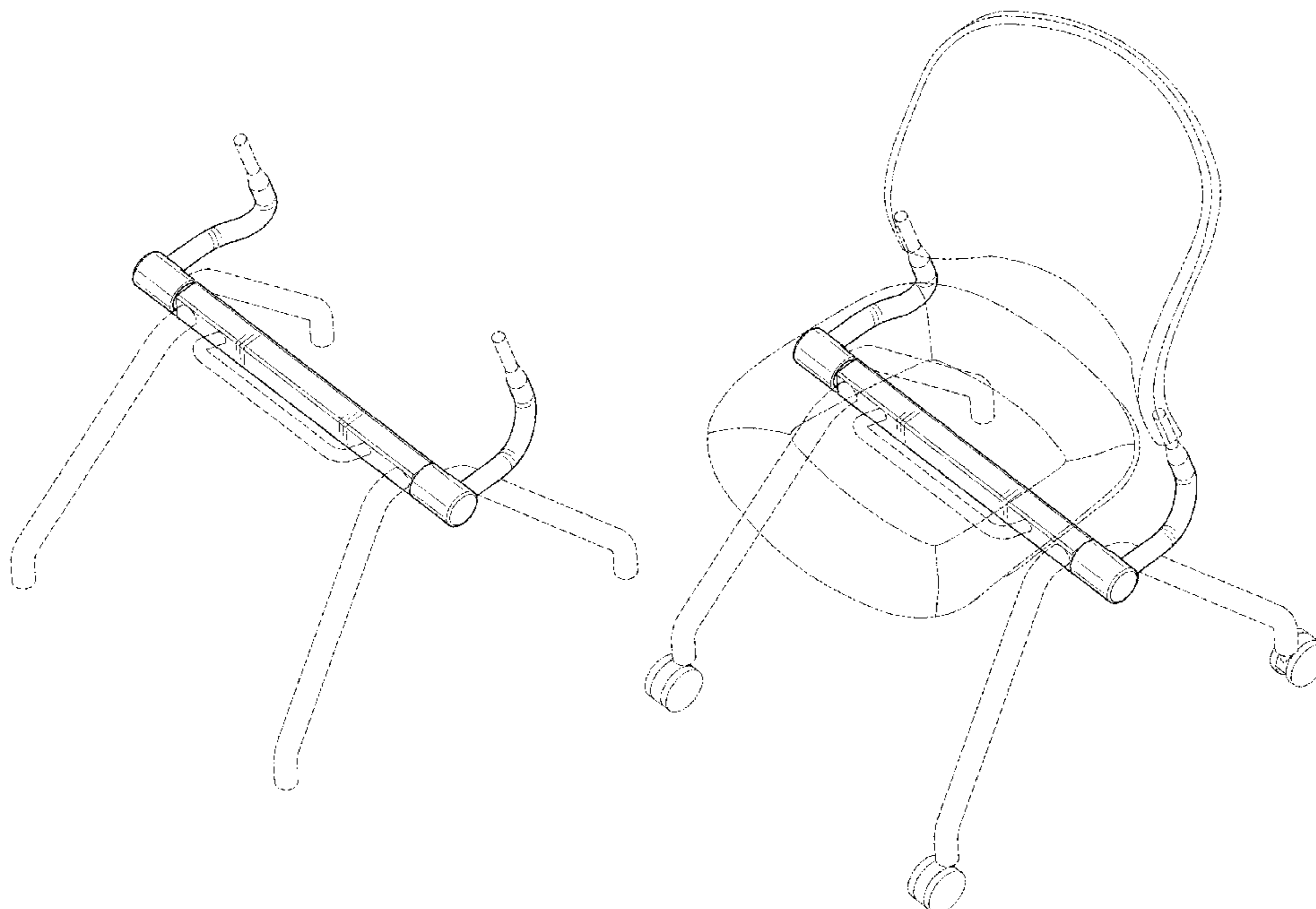
(57) **CLAIM**

The ornamental design for a chair frame structure, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of chair frame structure showing my new design;  
 FIG. 2 is a front view thereof;  
 FIG. 3 is a rear view thereof;  
 FIG. 4 is a left end view thereof;  
 FIG. 5 is a right end view thereof;  
 FIG. 6 is a top view thereof;  
 FIG. 7 is a bottom view thereof; and,  
 FIG. 8 is a perspective view showing the use and arrangement of my new design.  
 The surface(s) or poration(s) of the article shown in broken lines in the drawings being for illustrative purpose only and forming no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



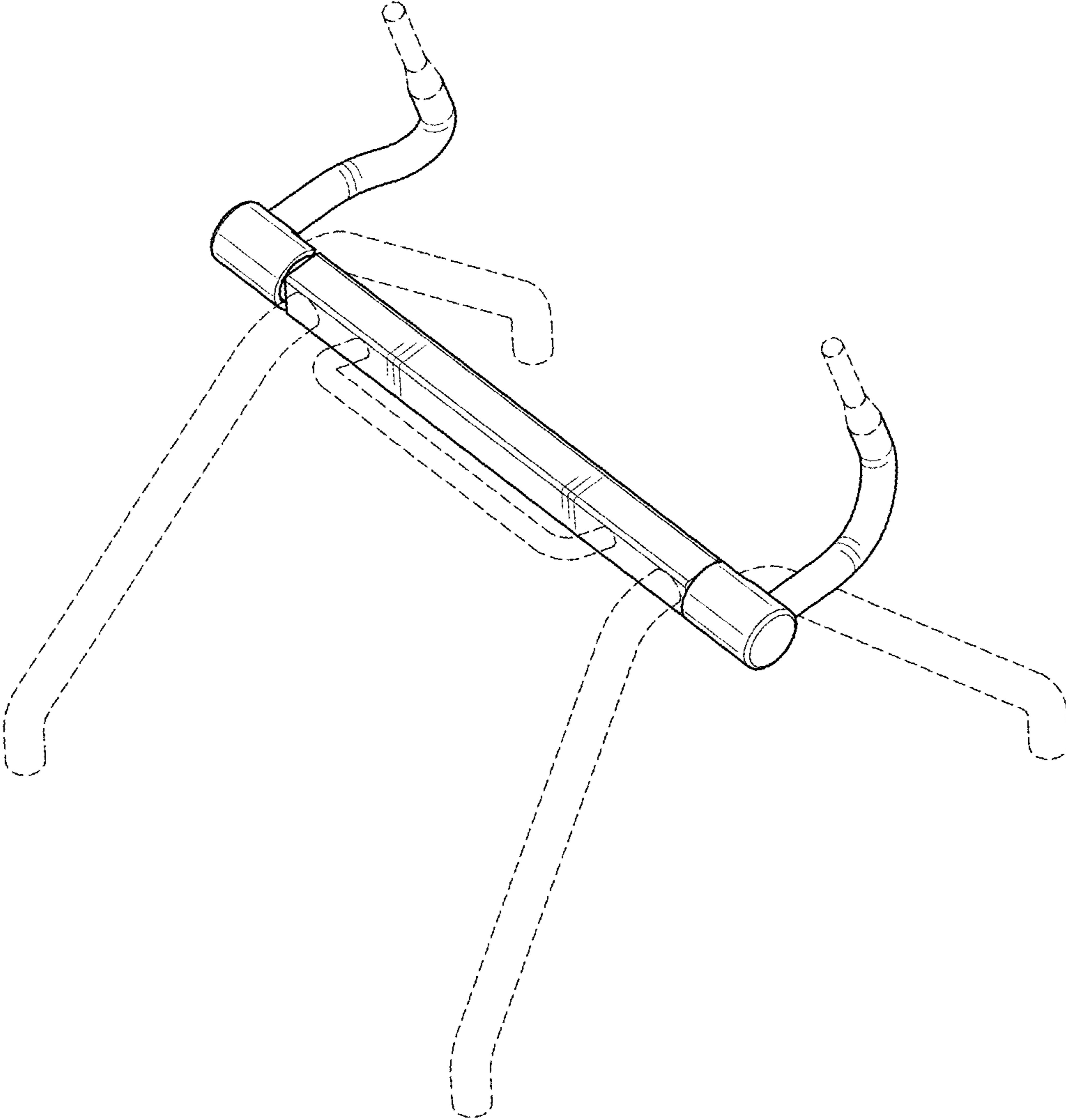


FIG. 1

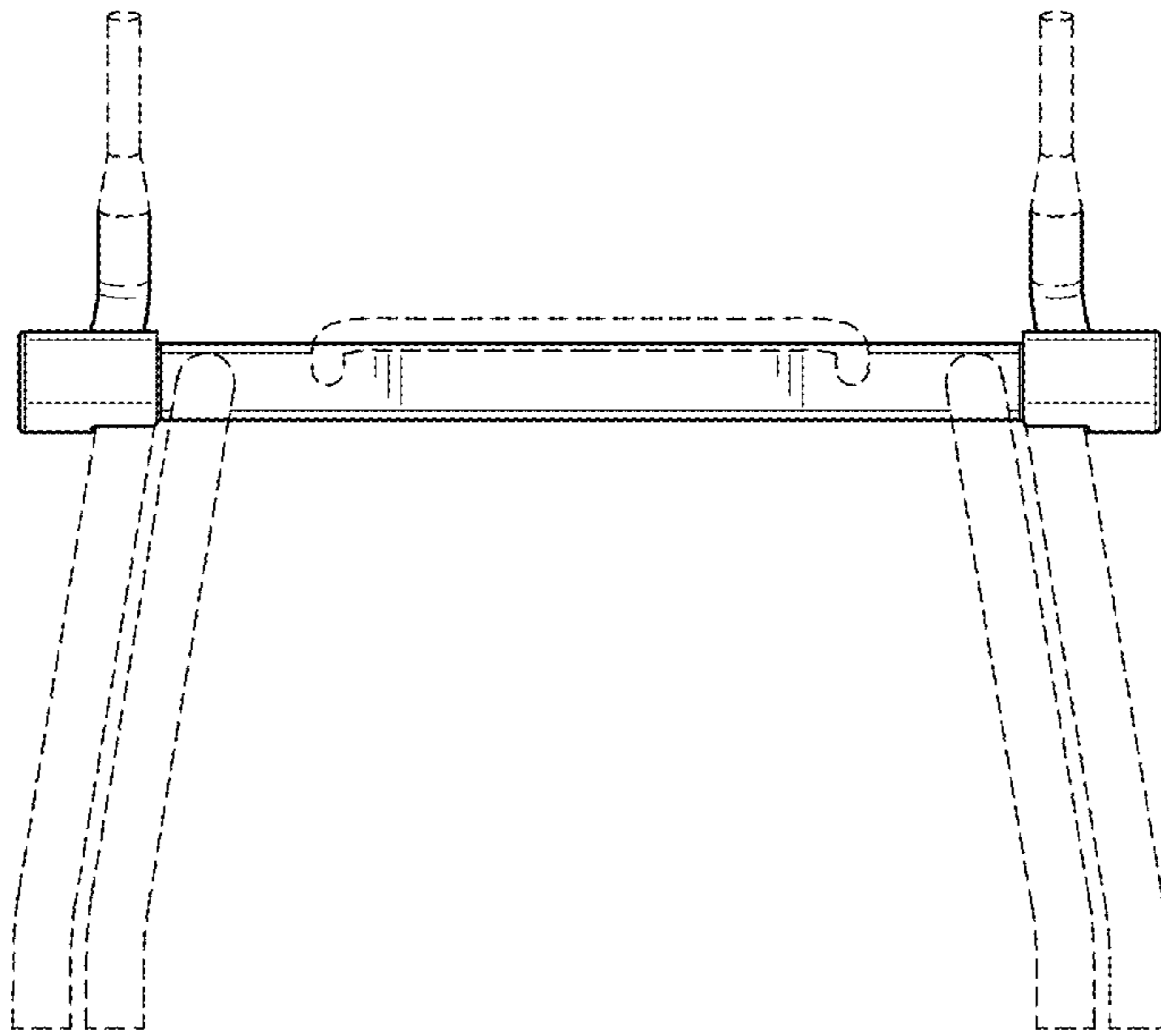


FIG. 2

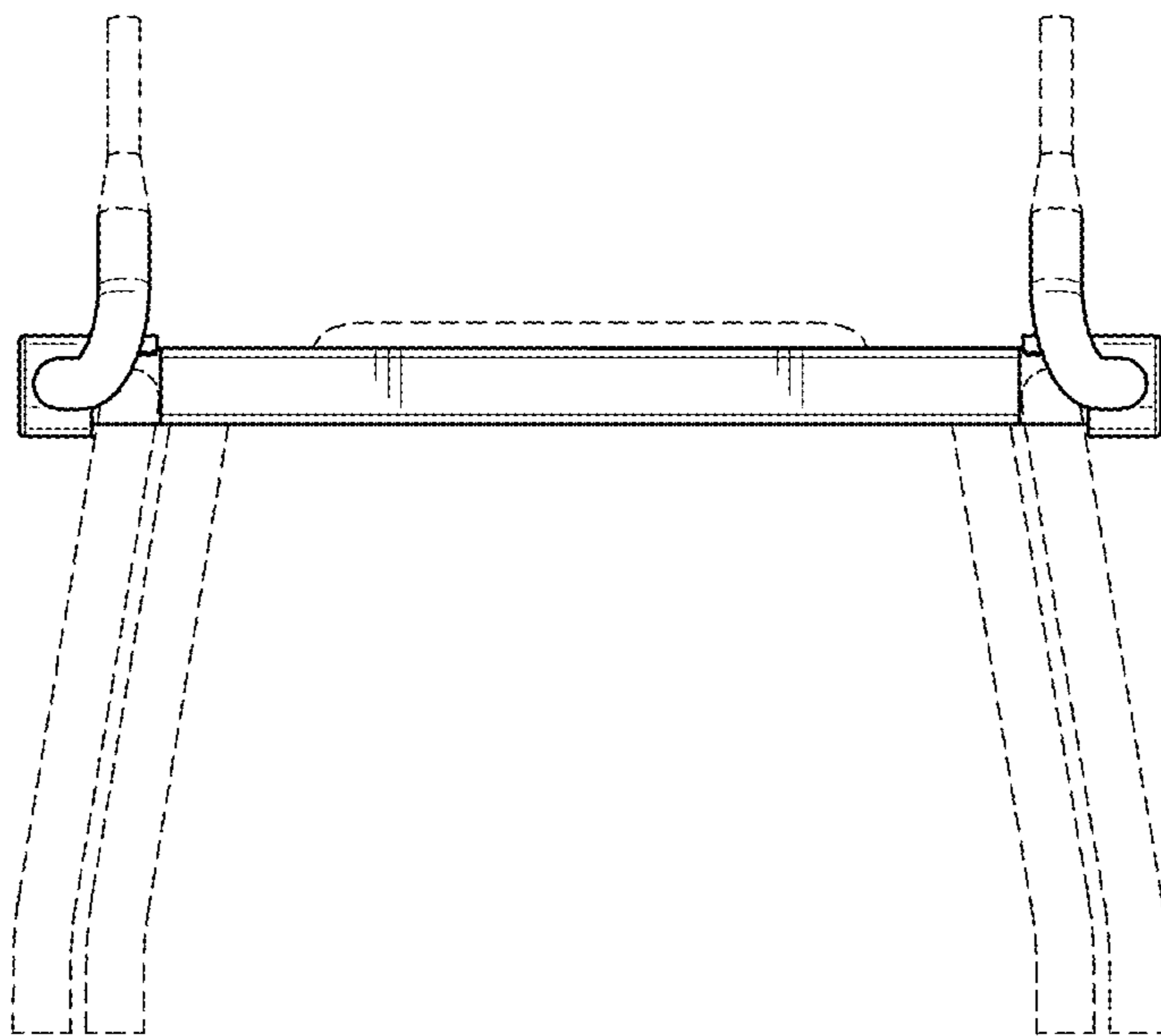


FIG. 3

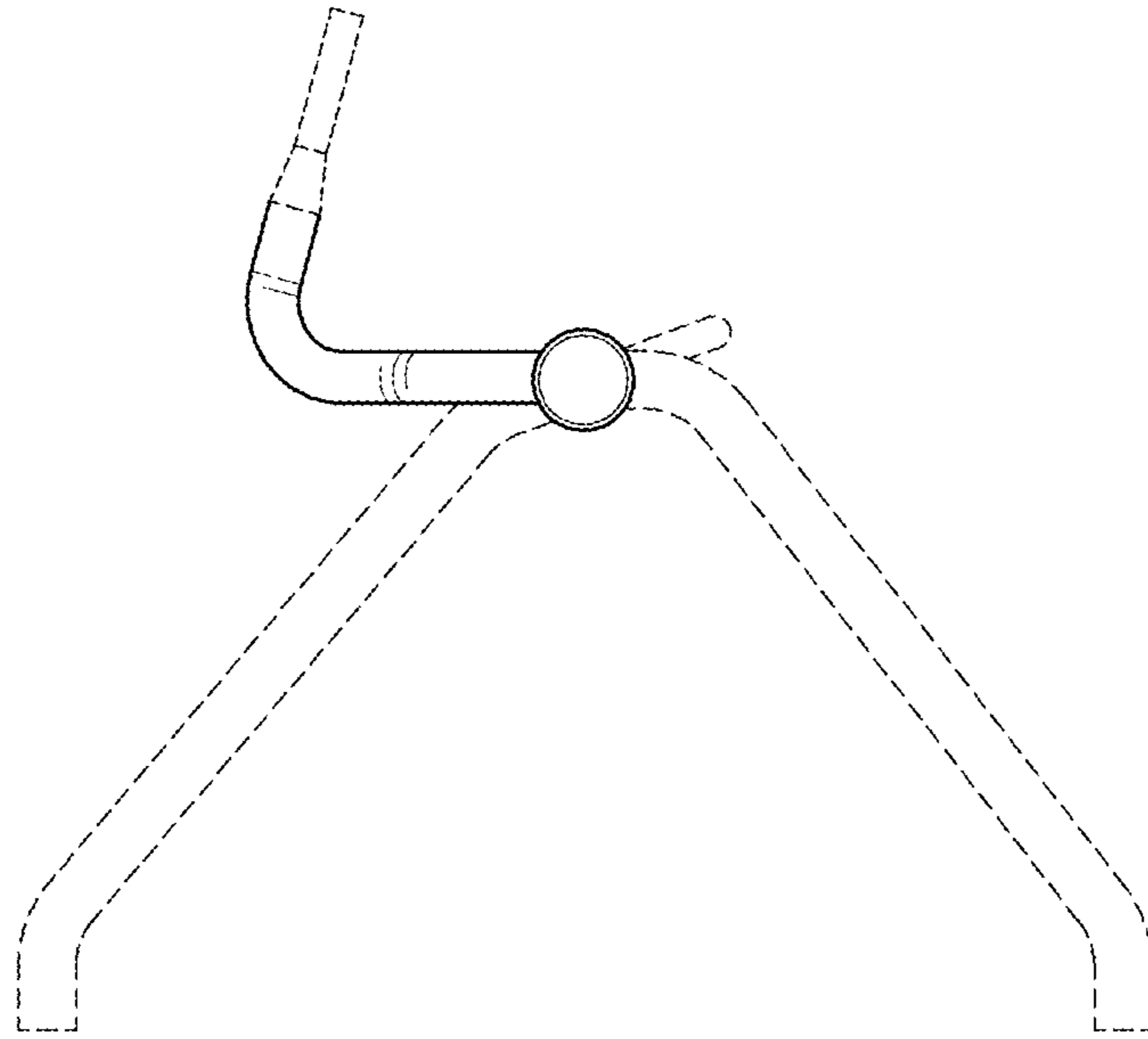


FIG. 4

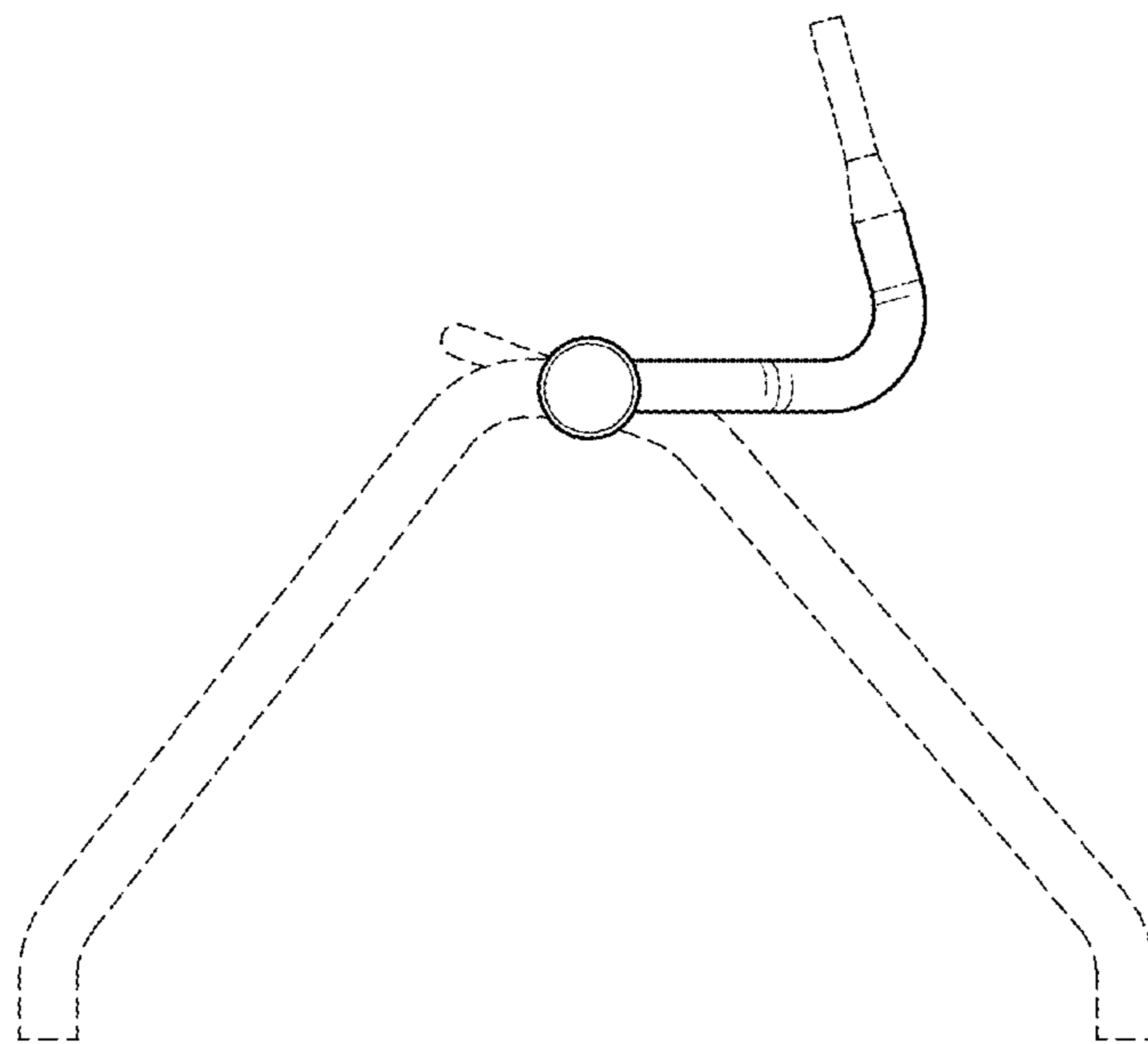


FIG. 5

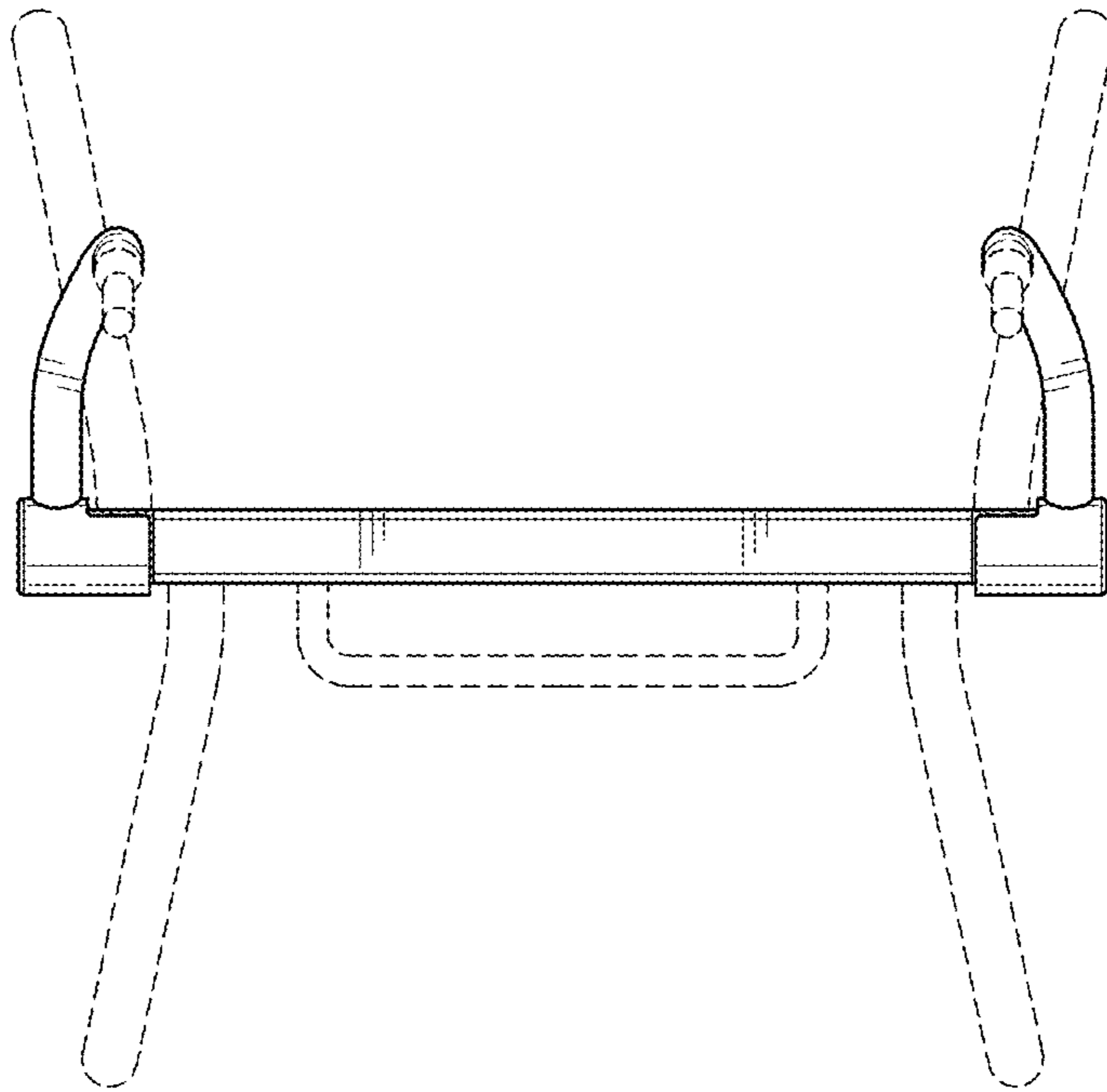


FIG. 6

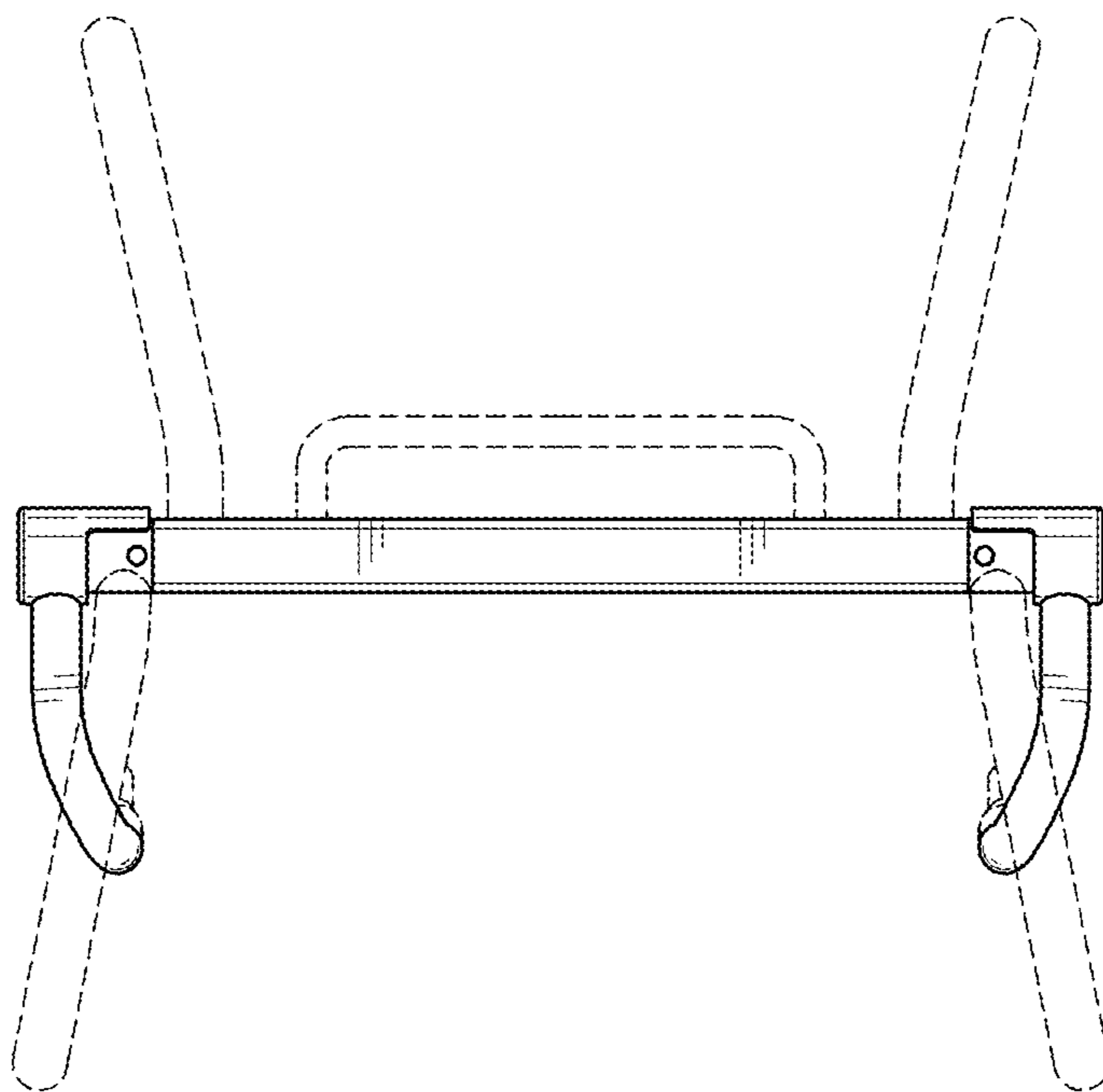


FIG. 7

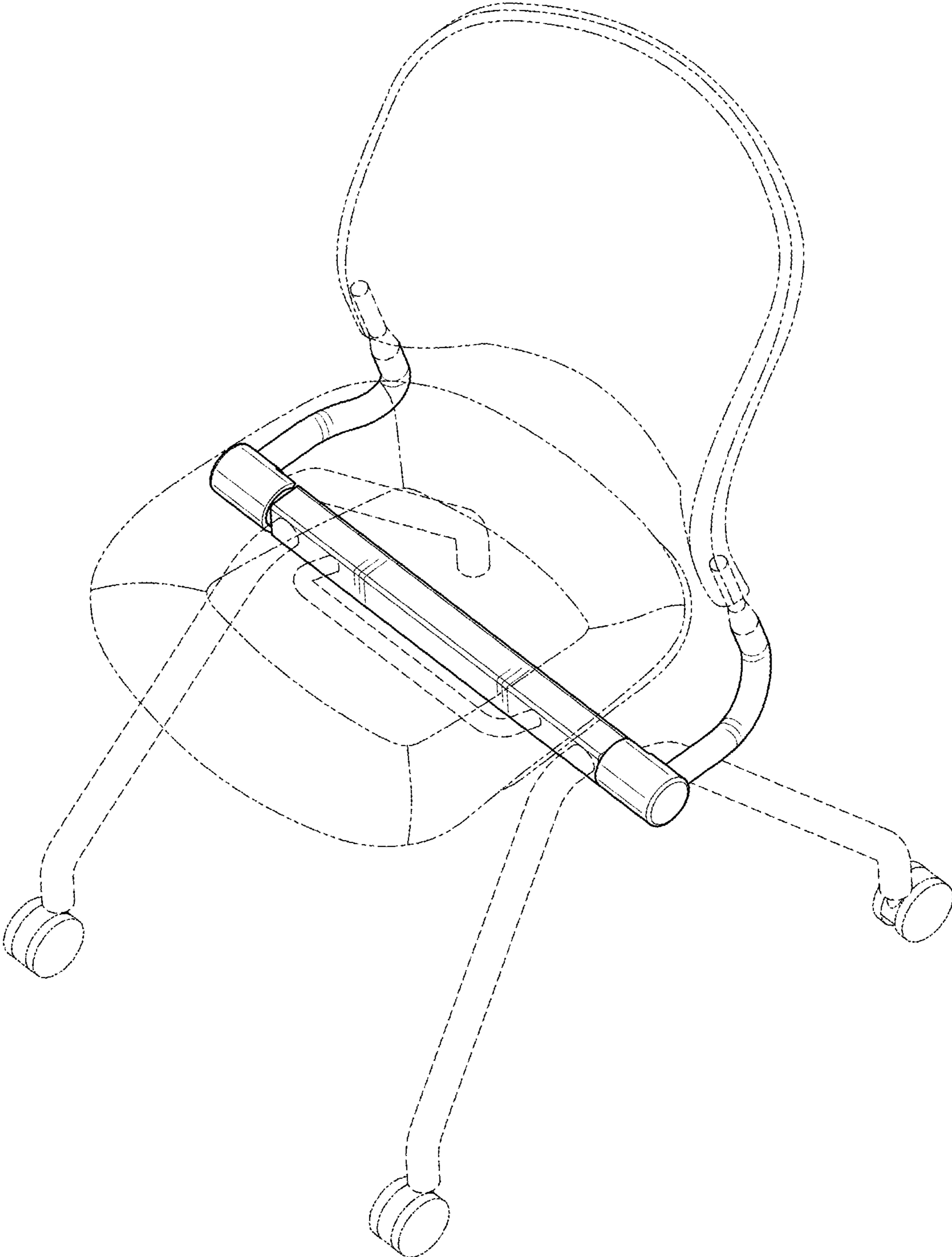


FIG. 8