



US00D891707S

(12) **United States Design Patent** (10) **Patent No.:** **US D891,707 S**  
**Dwyer et al.** (45) **Date of Patent:** **\*\* Jul. 28, 2020**

- (54) **ATTACHMENT STRUCTURE FOR A FISH PEN FEED DISPERSER**
- (71) Applicant: **InnovaSea Systems, Inc.**, Boston, MA (US)
- (72) Inventors: **Rodney J. Dwyer**, Bainbridge Island, WA (US); **Joseph L. Laughlin**, Medford, OR (US); **Francisco Javier Padilla Magan**, Cadiz (ES); **Tyler Sclodnick**, Quincy, MA (US)
- (73) Assignee: **InnovaSea Systems, Inc.**, Boston, MA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/670,103**
- (22) Filed: **Nov. 13, 2018**
- (51) **LOC (12) Cl.** ..... **30-03**
- (52) **U.S. Cl.**  
USPC ..... **D30/133; D30/121**
- (58) **Field of Classification Search**  
USPC ..... **D30/101-107, 121, 133, 199; D25/127, D25/131, 133, 134**  
See application file for complete search history.

2012/0167829 A1\* 7/2012 Madsen ..... A01K 61/60  
119/223

2017/0238511 A1 8/2017 Gace et al.

2019/0150410 A1\* 5/2019 Dwyer ..... A01K 61/80

FOREIGN PATENT DOCUMENTS

JP 64-006867 U 1/1989  
JP 06-327376 A 11/1994  
KR 20-0454434 Y1 7/2011  
KR 10-1064806 B1 9/2011

\* cited by examiner

*Primary Examiner* — Michael C Stout  
*Assistant Examiner* — Katrina N Gonzalez  
 (74) *Attorney, Agent, or Firm* — Christensen O'Connor Johnson Kindness, PLLC

(57) **CLAIM**

The ornamental design for the attachment structure for a fish pen feed disperser, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an attachment structure for a fish pen feed disperser in accordance with the present design;

FIG. 2 is a top plan view of the attachment structure for a fish pen feed disperser shown in FIG. 1, which due to symmetry is the same as the bottom plan view;

FIG. 3 is a front view of the attachment structure for a fish pen feed disperser shown in FIG. 1;

FIG. 4 is a back view of the attachment structure for a fish pen feed disperser shown in FIG. 1;

FIG. 5 is a left side view of the attachment structure for a fish pen feed disperser shown in FIG. 1; and,

FIG. 6 is a right side view of the attachment structure for a fish pen feed disperser shown in FIG. 1.

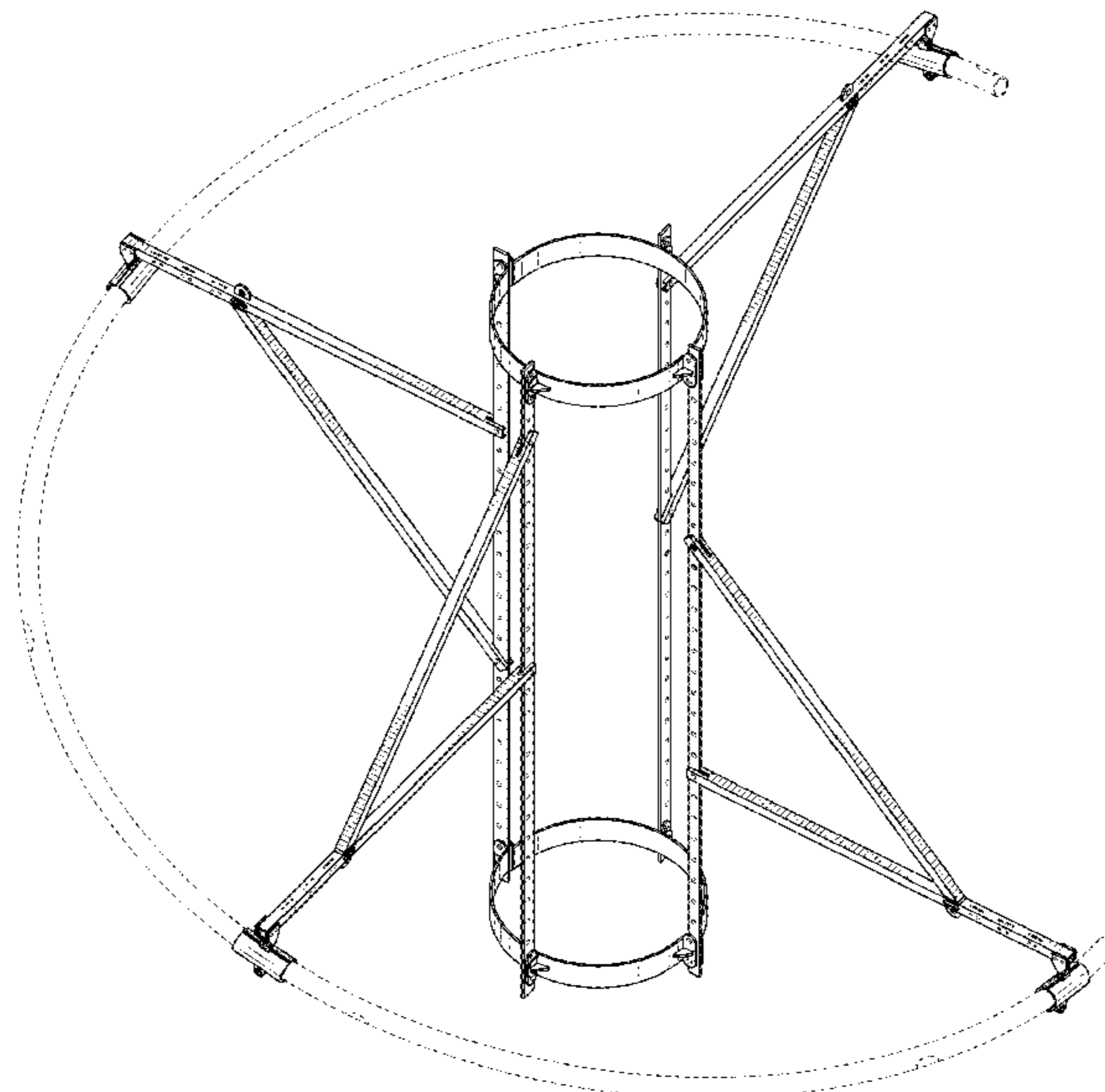
The broken line showing of a feed disperser is for the purpose of illustrating environmental structure and forms no part of the claimed design.

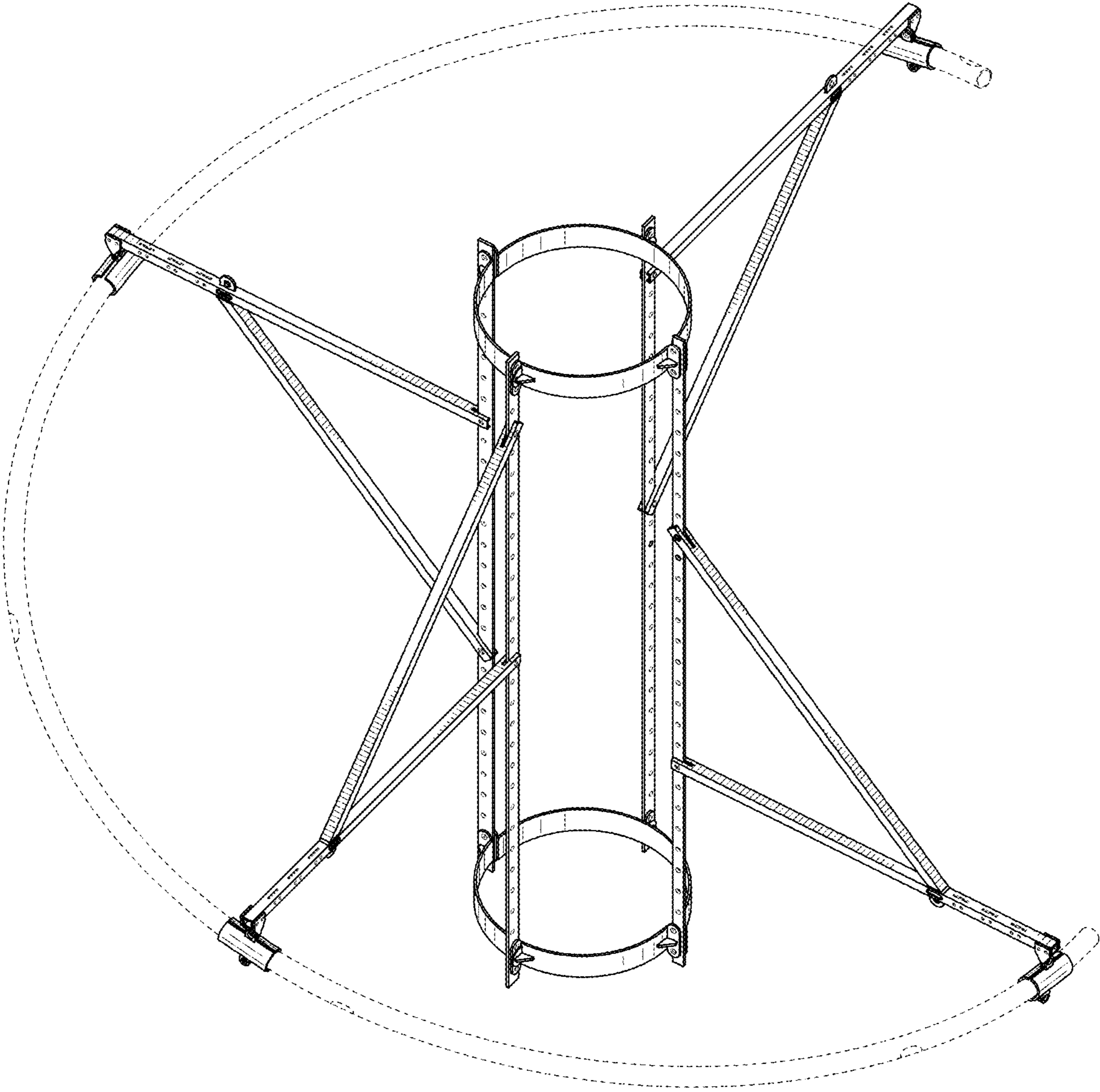
(56) **References Cited**

U.S. PATENT DOCUMENTS

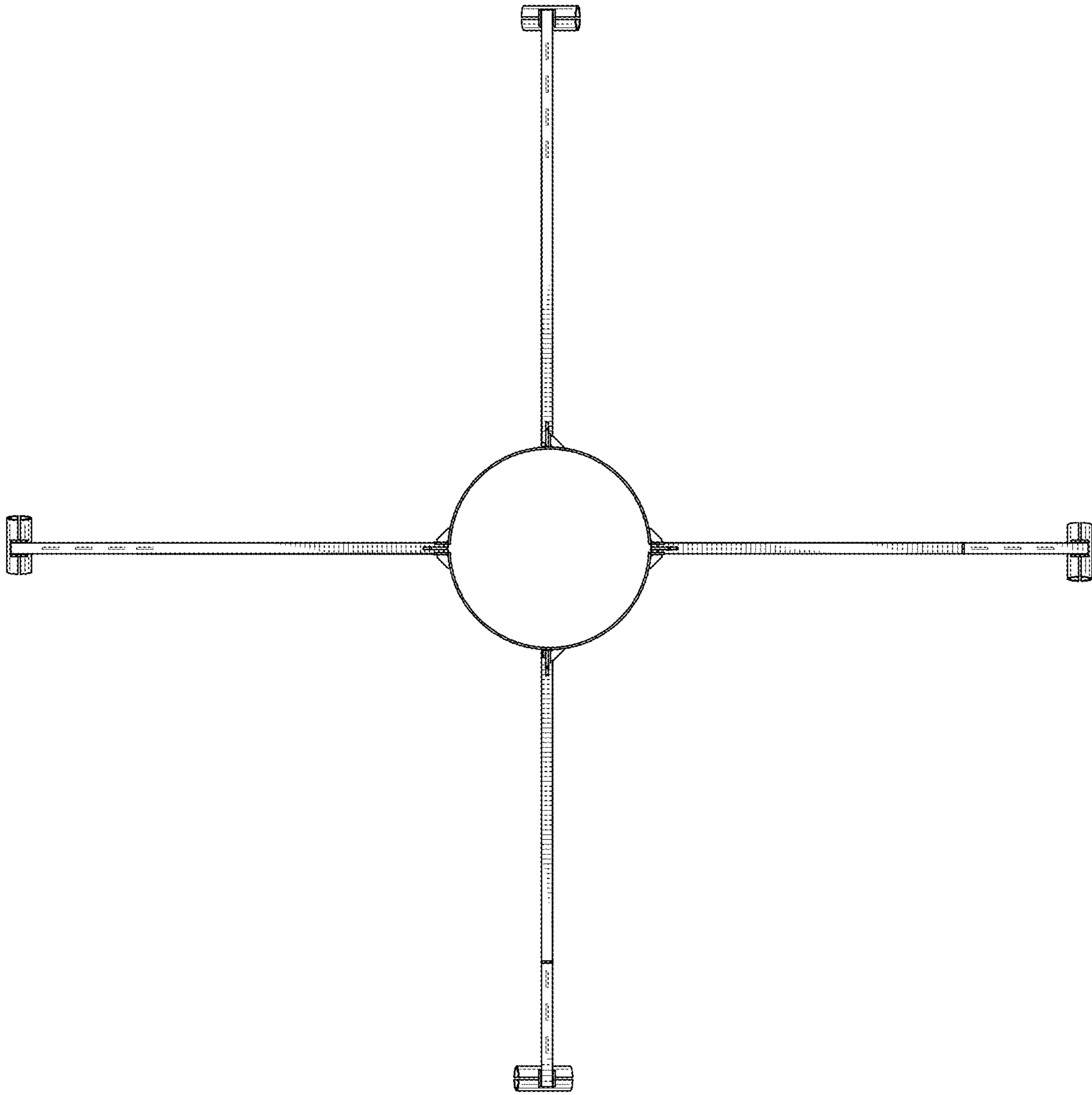
D323,716 S \* 2/1992 Shook ..... D25/127  
 D373,659 S \* 9/1996 Miller ..... D30/121  
 5,617,813 A 4/1997 Loverich et al.  
 8,424,491 B2 4/2013 Page  
 8,651,059 B2 2/2014 Cartwright et al.  
 9,072,282 B2 7/2015 Madsen et al.  
 D787,751 S \* 5/2017 Bosco ..... D30/121  
 10,231,443 B2 \* 3/2019 Gace ..... A01K 61/60  
 D874,681 S \* 2/2020 Tech ..... D25/126  
 2008/0110408 A1 \* 5/2008 Thorvardarson ..... A01K 61/60  
119/223

**1 Claim, 6 Drawing Sheets**

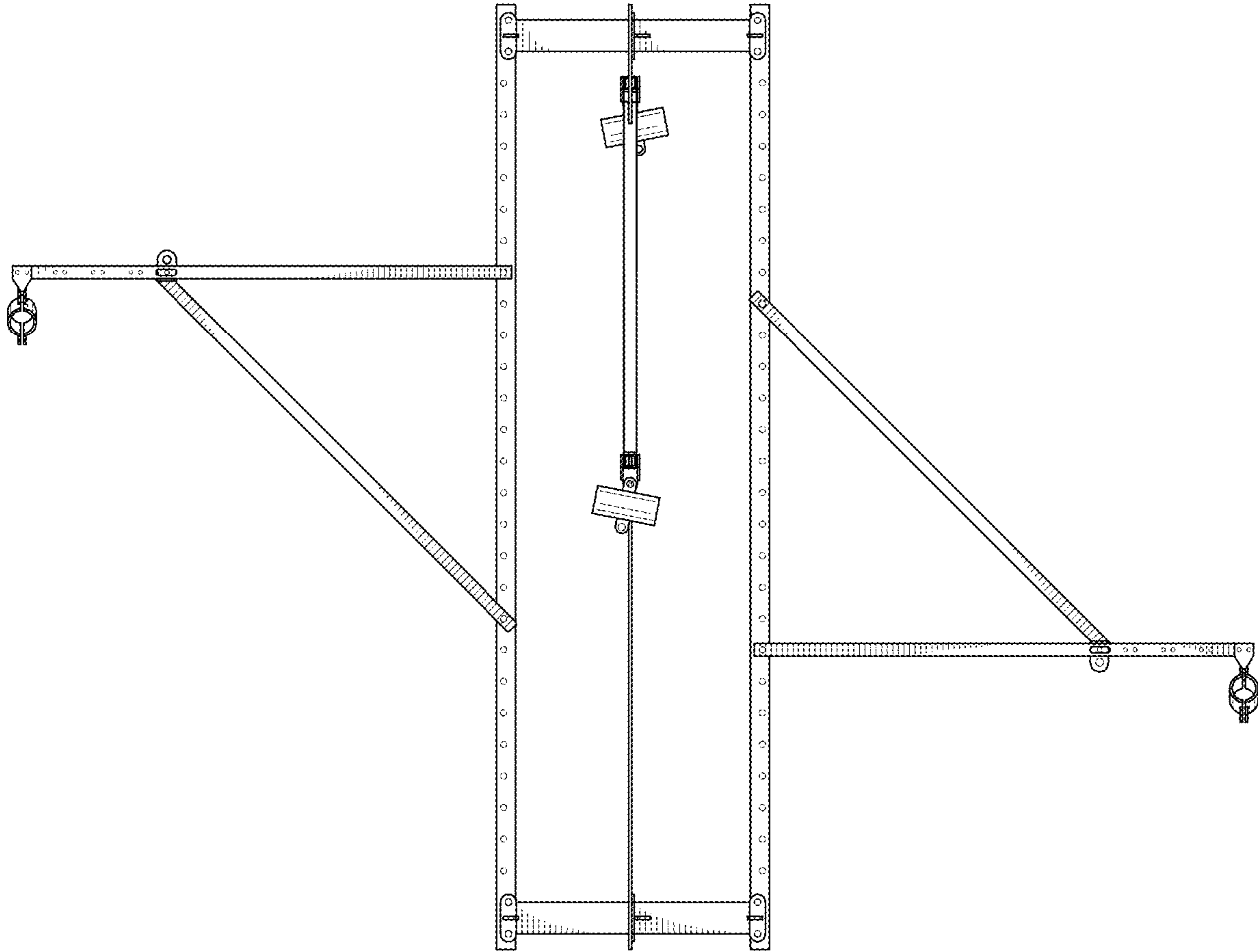




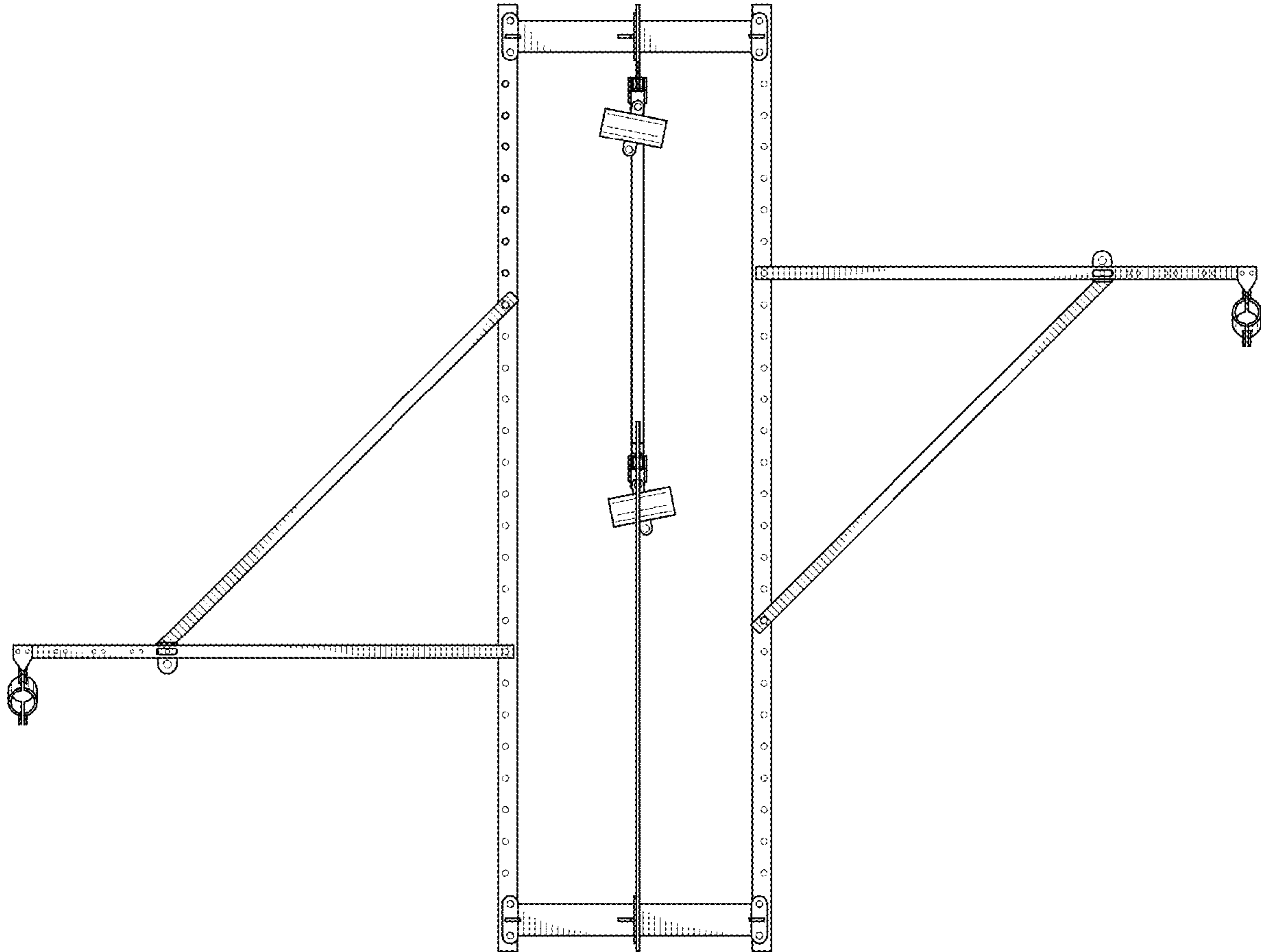
**FIG. 1**



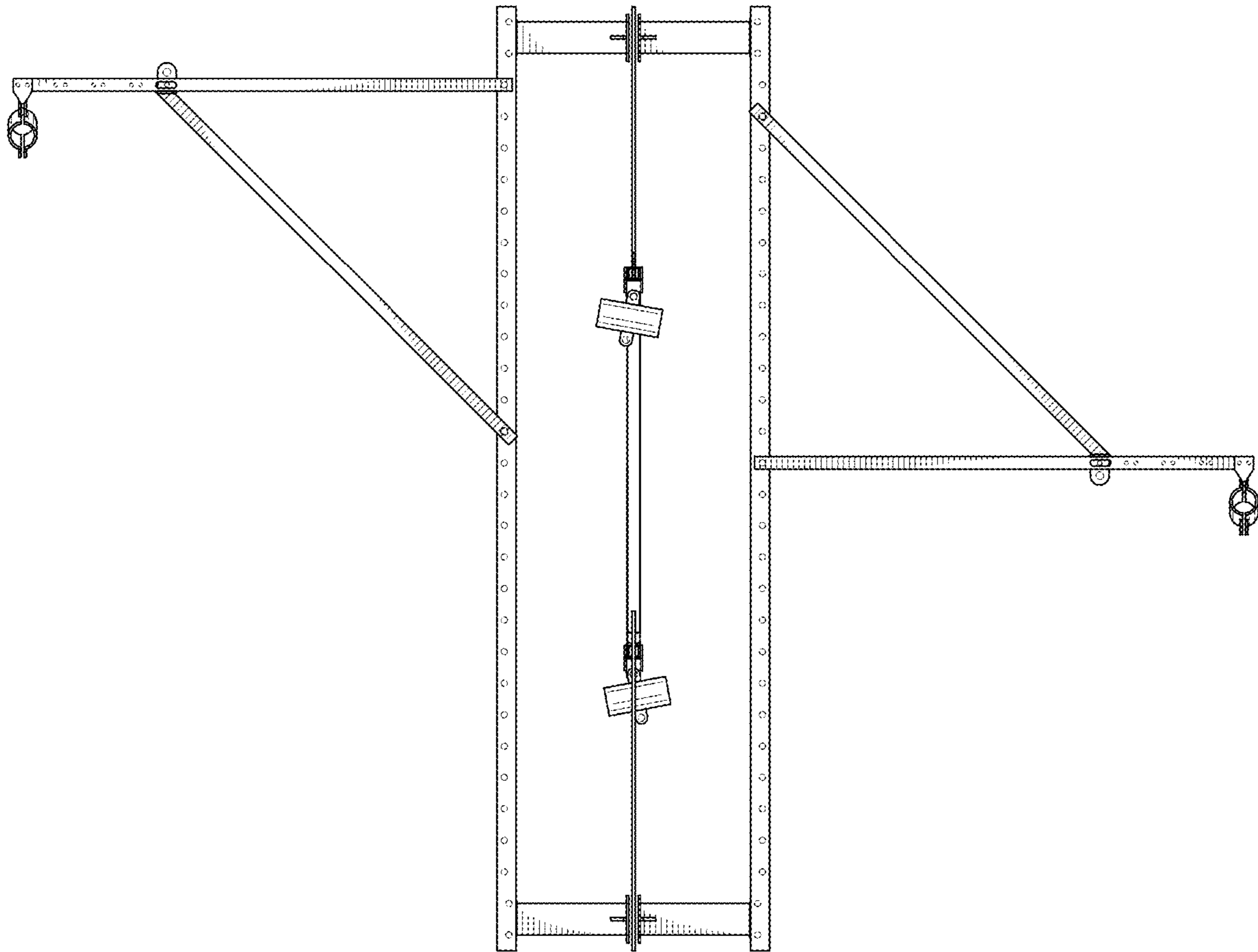
**FIG. 2**



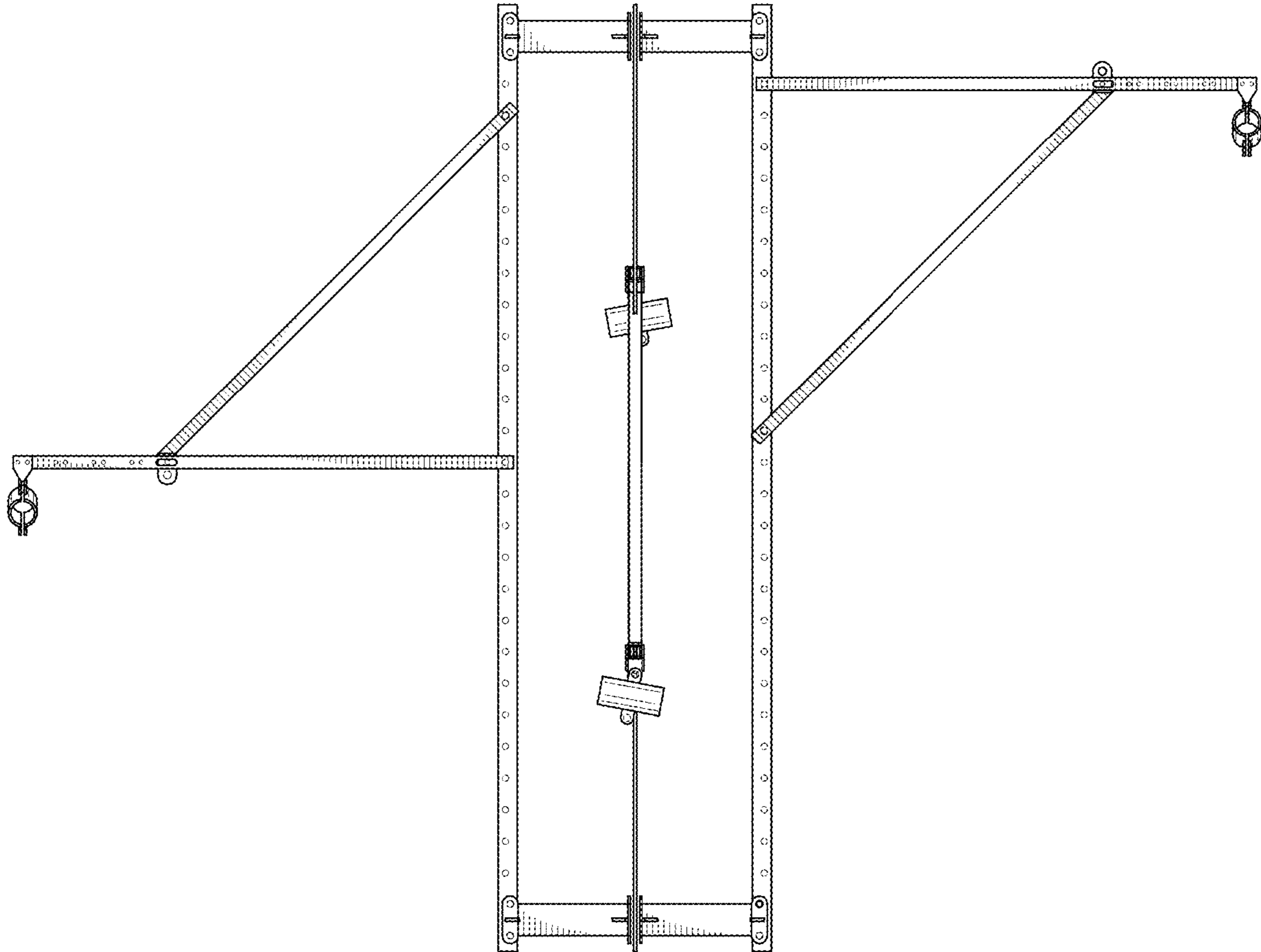
**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**