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(12) **United States Design Patent** (10) **Patent No.:** **US D854,107 S**
Choi (45) **Date of Patent:** **** Jul. 16, 2019**

(54) **TENT FRAME WITH CENTRAL UPRIGHT POLE AND EAVES**

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
USPC **D21/839; D21/834**

(58) **Field of Classification Search**
USPC D21/834, 835, 836, 837, 838, 839, 840
CPC E04H 15/00; E04H 15/02; E04H 15/18;
E04H 15/28; E04H 15/32; E04H 15/34;
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E04H 15/50

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,061,547 A 5/1913 Kennedy
- 1,347,107 A 7/1920 McCann
- 3,888,056 A 6/1975 Kelly
- 4,286,612 A * 9/1981 Neal A01K 1/033
135/115
- 4,630,627 A 12/1986 Windows
- 4,641,676 A * 2/1987 Lynch E04H 15/50
135/115

- 4,793,371 A * 12/1988 O'Ferrell E04H 15/44
135/118
- 4,944,321 A 7/1990 Moyet-Ortiz
- 5,224,507 A * 7/1993 Vosse E04H 15/58
135/115
- 5,275,188 A 1/1994 Tsai
(Continued)

FOREIGN PATENT DOCUMENTS

- CA 2895981 A1 12/2015
- CN 2401649 Y 10/2000

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 14/753,989, filed Jun. 29, 2015.

(Continued)

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(57) **CLAIM**

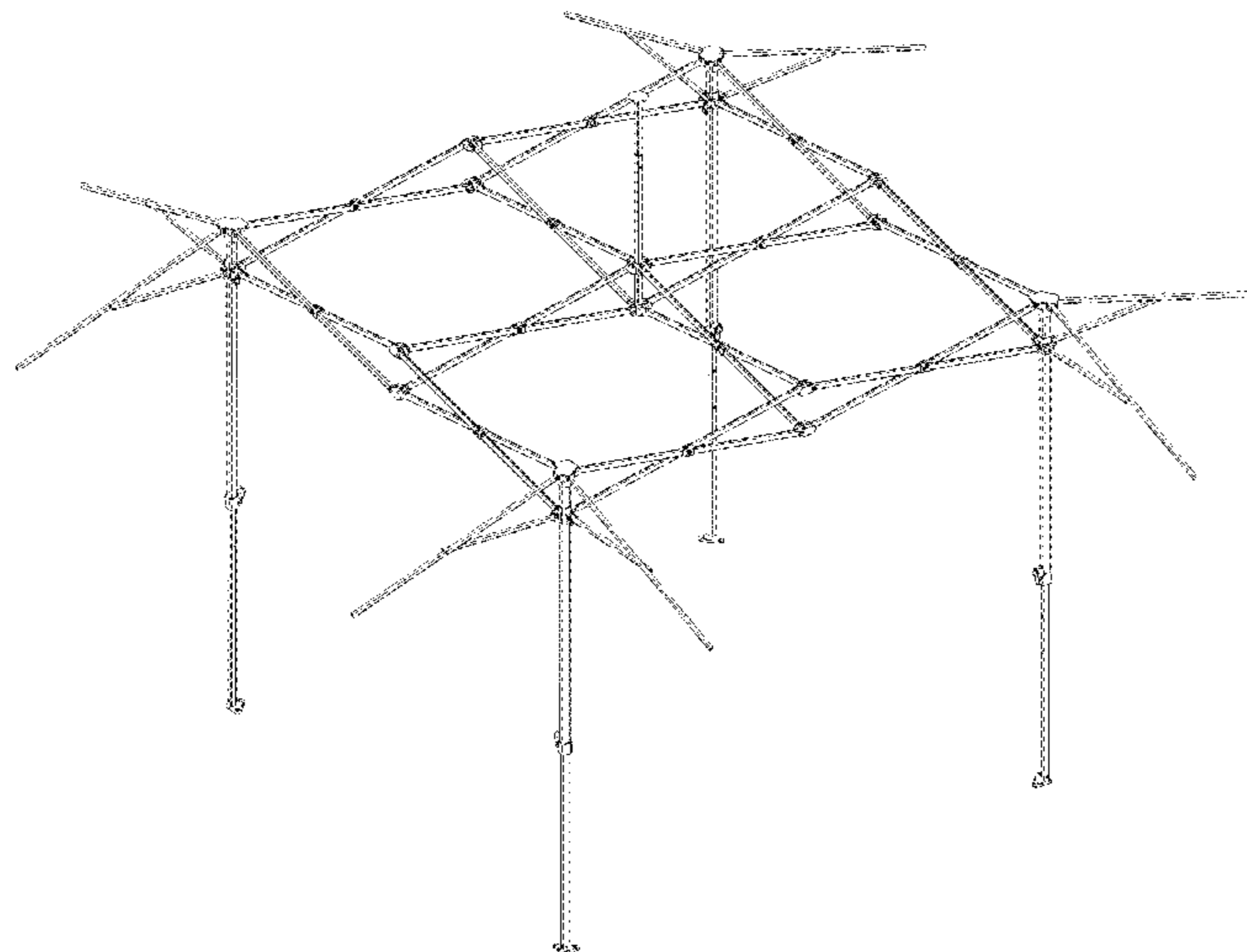
The ornamental design for a tent frame with central upright pole and eaves, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of our new design of a tent frame with central upright pole and eaves;
FIG. 2 is a first side view thereof;
FIG. 3 is a second side view thereof;
FIG. 4 is a third side view thereof;
FIG. 5 is a fourth side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

The broken lines in the above described FIGS. 1-7 are for illustrative purposes only, depict environmental matter only, and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,421,356 A * 6/1995 Lynch E04H 15/50
135/145
5,794,640 A 8/1998 Jang
5,813,425 A 9/1998 Carter
5,944,040 A * 8/1999 Jang E04H 15/50
135/126
6,182,917 B1 2/2001 Lai
6,206,020 B1 * 3/2001 Lynch E04H 15/50
135/128
6,463,948 B2 10/2002 Lee
6,598,614 B2 7/2003 Liu
6,708,707 B2 3/2004 Dotterweich
6,718,995 B2 4/2004 Dotterweich
6,848,461 B2 2/2005 Tsai
6,929,017 B2 8/2005 Byun
7,055,538 B2 6/2006 Deng
7,240,686 B2 7/2007 Seo
7,296,584 B2 * 11/2007 Goldwitz E04H 15/44
135/121
7,299,813 B2 11/2007 Ochi
7,316,239 B2 1/2008 Yang
7,360,549 B2 4/2008 Seo
7,395,830 B2 * 7/2008 Seo E04H 15/46
135/120.3
7,422,026 B2 9/2008 Kim
8,220,477 B2 * 7/2012 Park E04H 15/50
135/131
8,544,489 B2 10/2013 Choi
8,616,226 B2 12/2013 Ma
8,701,692 B2 4/2014 Holland
D705,884 S 5/2014 Jin
8,776,816 B2 * 7/2014 Danziger E04H 15/48
135/139
8,893,737 B2 11/2014 Yang
8,910,648 B2 12/2014 Jin
9,243,422 B2 * 1/2016 Hunt E04H 15/18
9,528,292 B1 12/2016 Lovely, II
9,580,929 B2 2/2017 Ma
9,739,073 B2 8/2017 Huang
9,869,110 B2 * 1/2018 Krenzel E04H 15/18
9,926,720 B2 3/2018 Huang
2001/0050098 A1 12/2001 Lee
2002/0074032 A1 6/2002 Park
2004/0144412 A1 7/2004 Tsai
2005/0241688 A1 3/2005 Wu
2006/0169312 A1 8/2006 Choi
2007/0012347 A1 1/2007 Ochi
2007/0051397 A1 3/2007 Choi
2007/0144572 A1 6/2007 Patel
2009/0032079 A1 2/2009 Choi

2010/0043856 A1 2/2010 Park
2011/0073148 A1 3/2011 Choi
2012/0291830 A1 * 11/2012 Crimi E04H 15/58
135/117
2013/0014794 A1 1/2013 Jin
2013/0247948 A1 9/2013 Lovley et al.
2013/0284225 A1 10/2013 Holland
2014/0174491 A1 6/2014 Yang
2014/0261601 A1 9/2014 Jin
2014/0261602 A1 9/2014 Ampoyo
2014/0290710 A1 10/2014 Choi
2015/0083177 A1 3/2015 Hotes
2015/0247339 A1 9/2015 Lee
2015/0308147 A1 10/2015 Lee
2015/0376913 A1 12/2015 Choi
2016/0108639 A1 4/2016 Huang
2016/0348392 A1 12/2016 Jin
2017/0121999 A1 5/2017 Ma
2017/0292287 A1 10/2017 Lovley, II
2018/0080242 A1 3/2018 Choi
2018/0080243 A1 3/2018 Choi
2018/0106066 A1 4/2018 Choi
2018/0106067 A1 4/2018 Choi
2018/0106068 A1 4/2018 Choi
2018/0142493 A1 5/2018 Choi

FOREIGN PATENT DOCUMENTS

CN 201202302 Y 3/2009
CN 103590650 B 2/2014
CN 104265063 A 1/2015
CN 104358468 A 2/2015
CN 204163467 U 2/2015
FR 1 121 851 8/1956
FR 68588 5/1958
JP 4557885 B2 10/2010
WO WO 2010/104939 A1 9/2010
WO WO 2011/022764 A1 3/2011
WO WO 2013/116545 A1 8/2013

OTHER PUBLICATIONS

U.S. Appl. No. 29/600,927, filed Apr. 17, 2017.
U.S. Appl. No. 15/709,222, filed Sep. 19, 2017.
U.S. Appl. No. 15/709,234, filed Sep. 19, 2017.
U.S. Appl. No. 15/782,699, filed Oct. 12, 2017.
U.S. Appl. No. 15/782,717, filed Oct. 12, 2017.
U.S. Appl. No. 15/782,726, filed Oct. 12, 2017.
U.S. Appl. No. 15/821,019, filed Nov. 22, 2017.
U.S. Appl. No. 15/170,566, filed Jun. 1, 2016.
U.S. Appl. No. 15/170,587, filed Jun. 1, 2016.

* cited by examiner

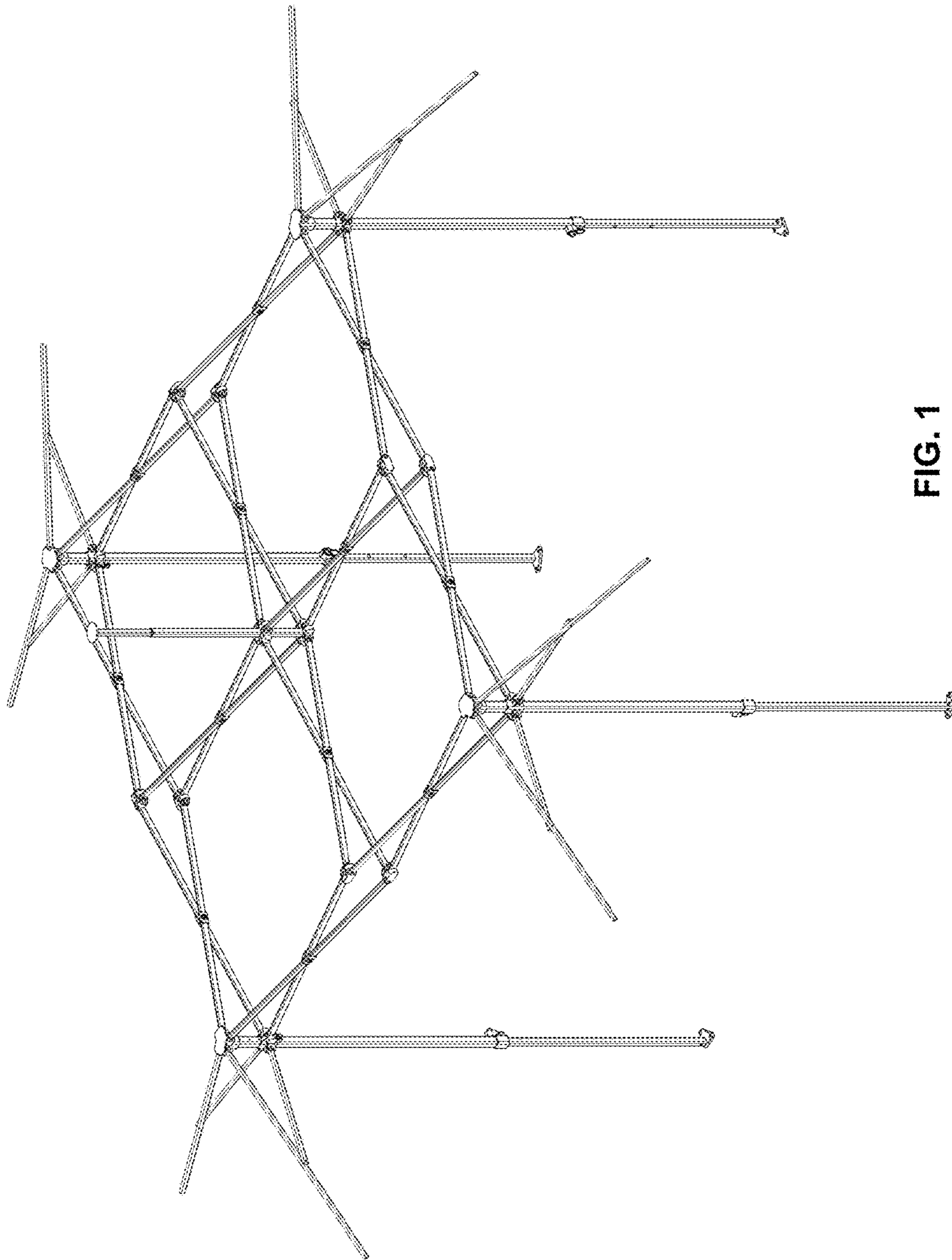


FIG. 1

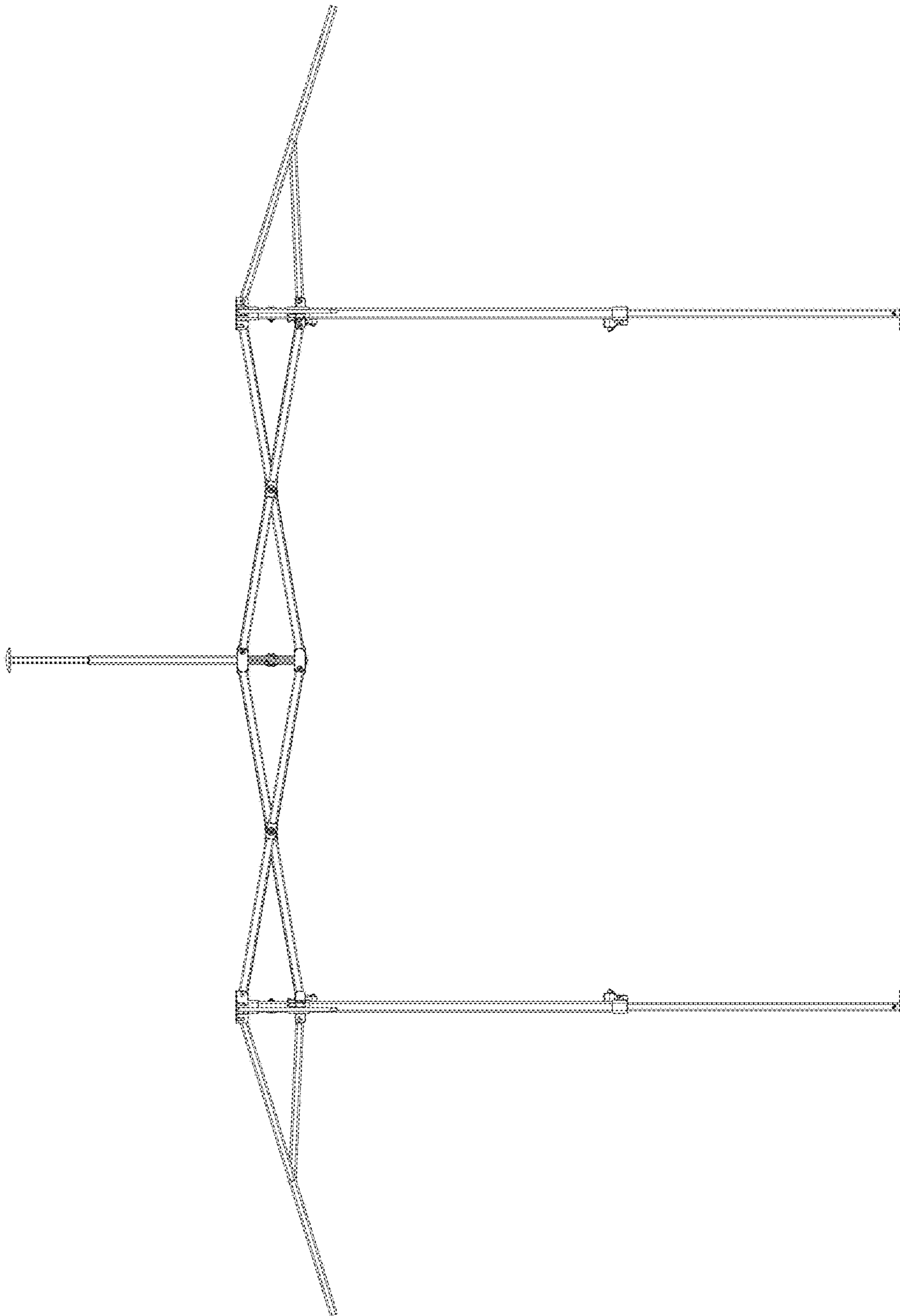


FIG. 2

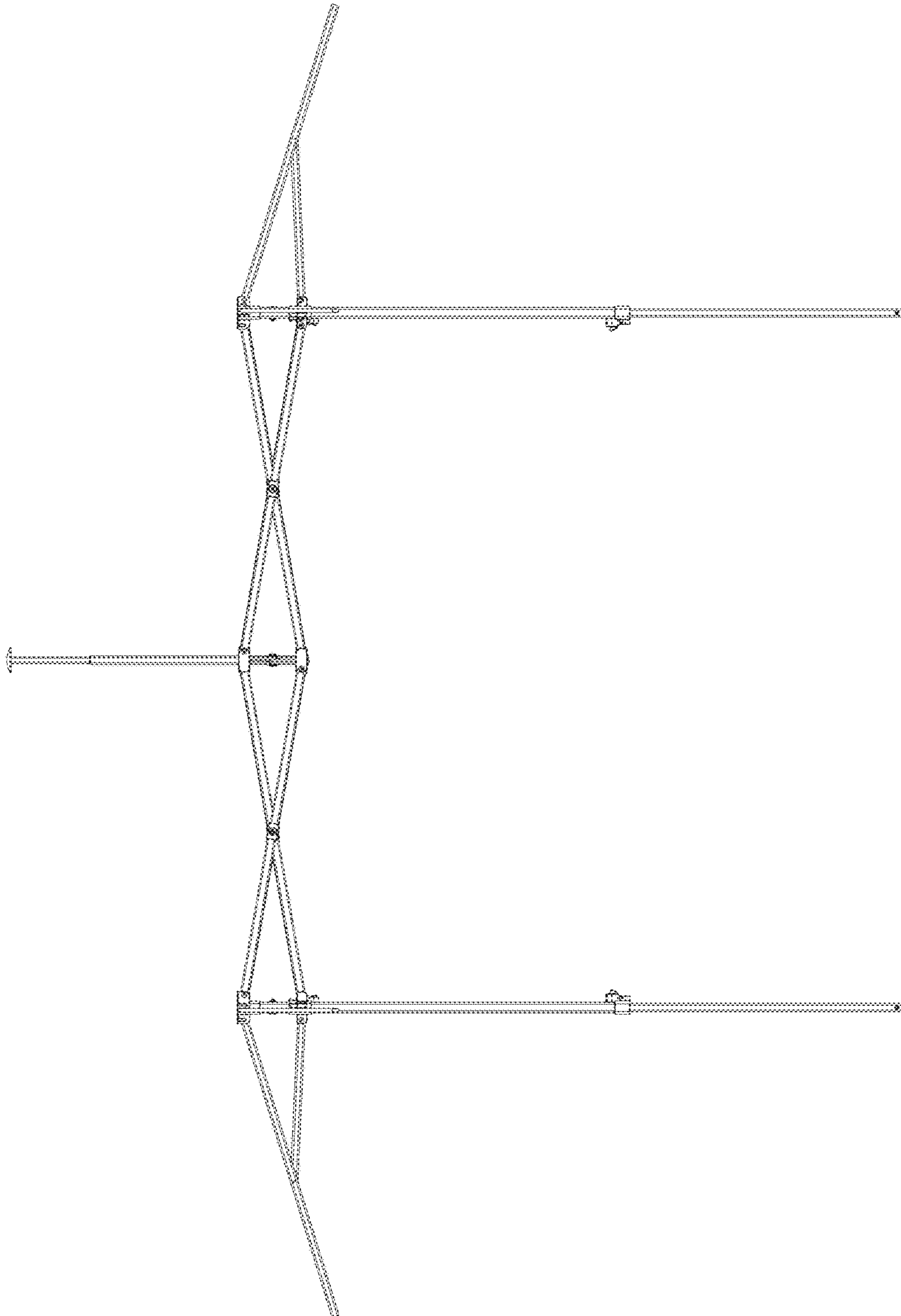


FIG. 3

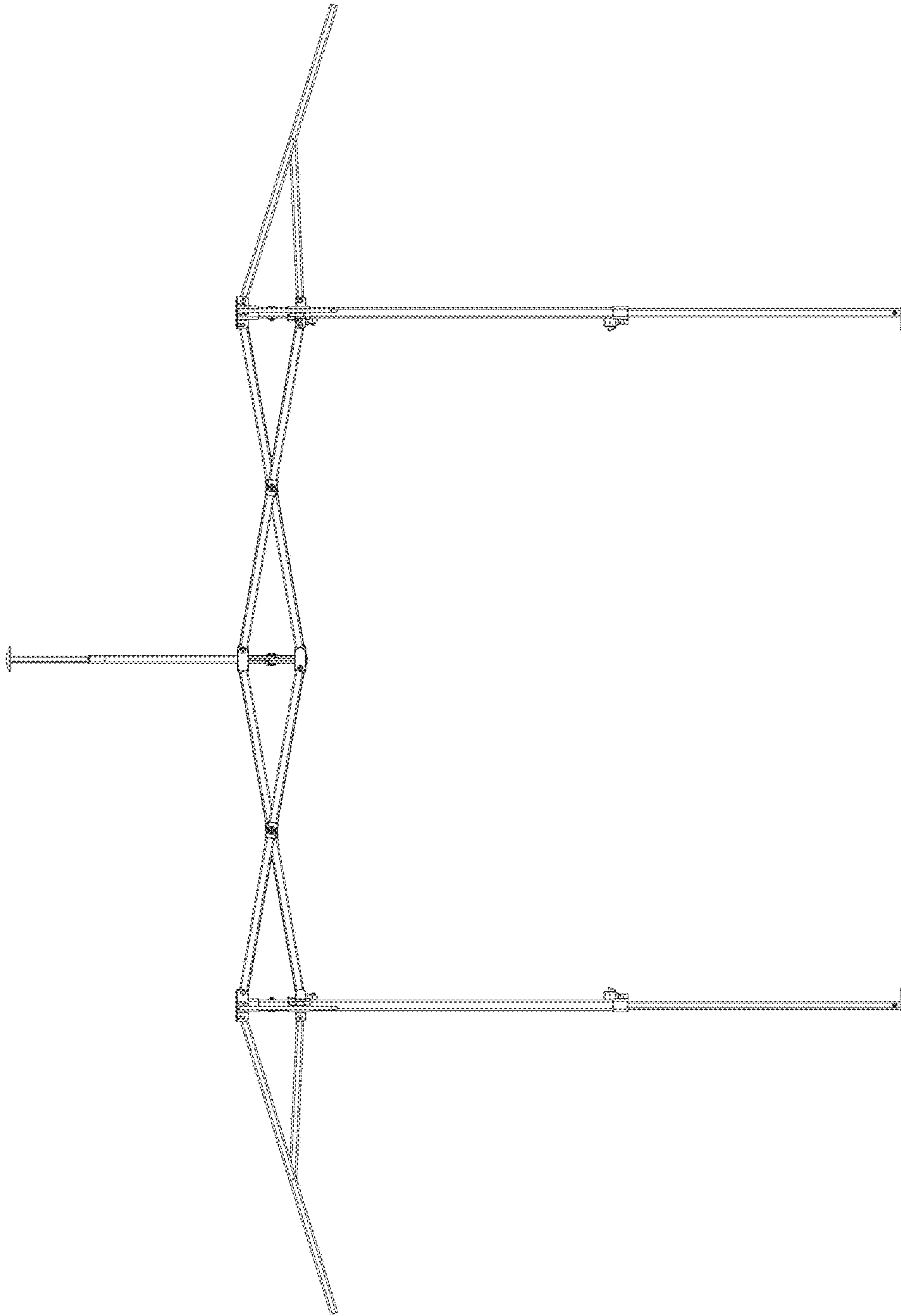


FIG. 4

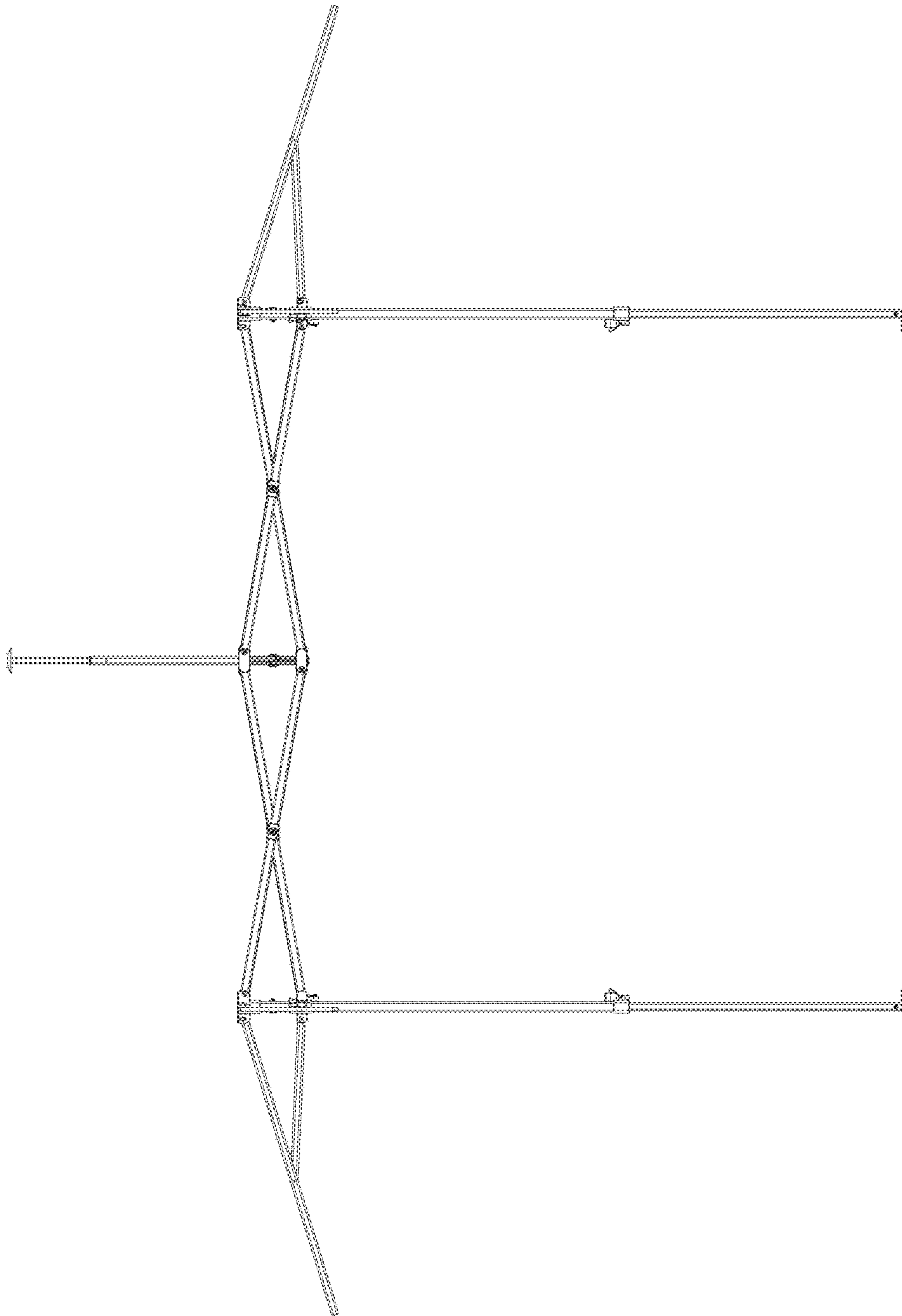


FIG. 5

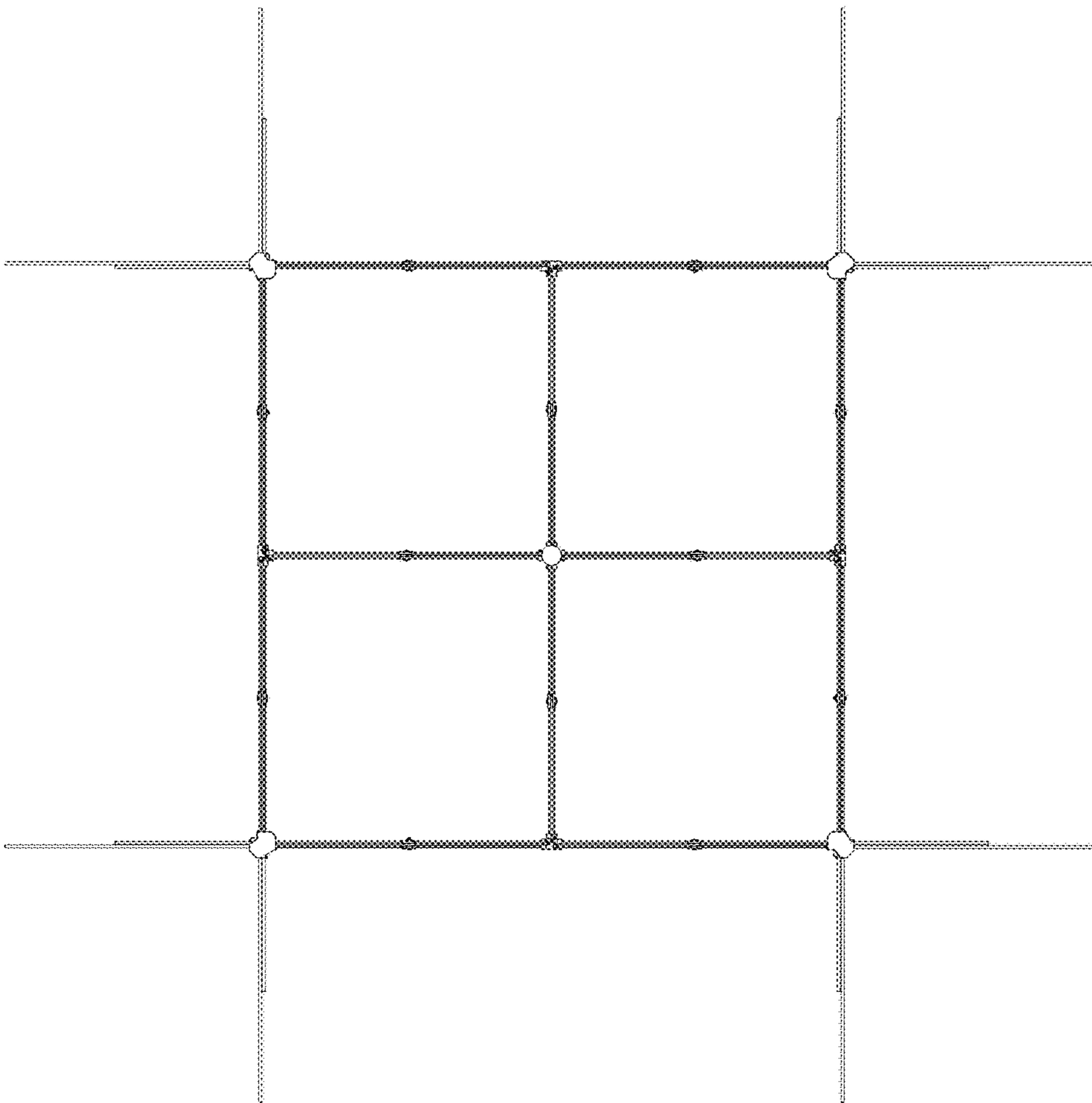


FIG. 6

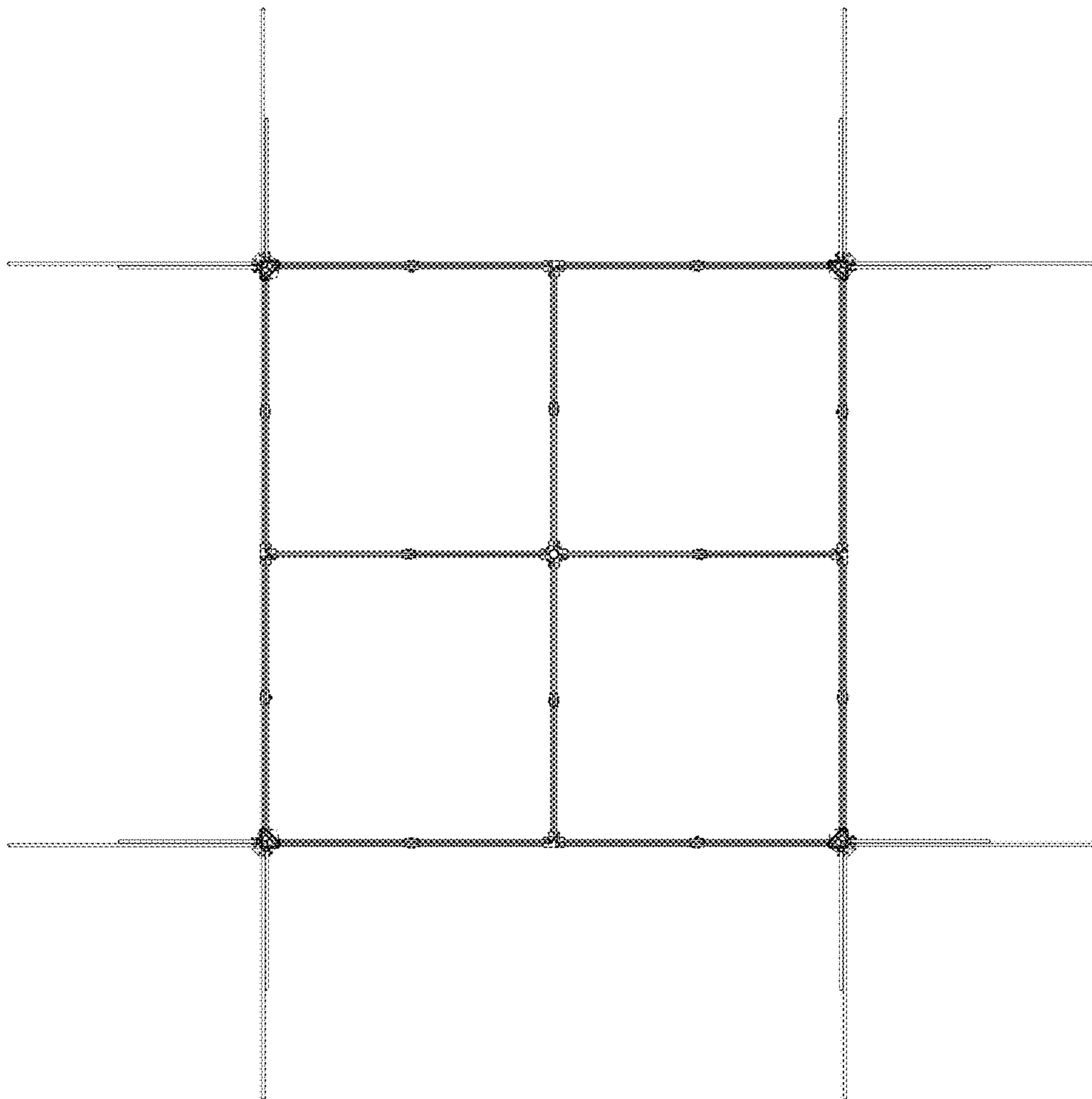


FIG. 7