



US00D986038S

(12) **United States Design Patent** (10) **Patent No.:** **US D986,038 S**  
**Davis et al.** (45) **Date of Patent:** **\*\* \*May 16, 2023**

(54) **SUSPENSION ASSEMBLY**

A47B 88/493; A47B 88/423; A47B 2088/4235; B44C 5/02

(71) Applicant: **GRIPPLE LIMITED**, Sheffield (GB)

See application file for complete search history.

(72) Inventors: **Simon Davis**, Sheffield (GB); **Oliver Sunderland**, Sheffield (GB)

(56) **References Cited**

(73) Assignee: **GRIPPLE LIMITED**

U.S. PATENT DOCUMENTS

(\*) Notice: This patent is subject to a terminal disclaimer.

|              |      |         |                    |             |
|--------------|------|---------|--------------------|-------------|
| 4,029,282    | A *  | 6/1977  | Dauth .....        | A47F 5/0807 |
|              |      |         |                    | 248/220.42  |
| D387,973     | S *  | 12/1997 | Layman .....       | D8/377      |
| D390,775     | S *  | 2/1998  | DePietro .....     | D8/373      |
| 7,621,494    | B2 * | 11/2009 | Rees .....         | H05K 7/183  |
|              |      |         |                    | 248/318     |
| D869,262     | S *  | 12/2019 | Davis .....        | D8/349      |
| D892,599     | S *  | 8/2020  | Wetherbee .....    | D8/354      |
| 10,914,333   | B2 * | 2/2021  | Davis .....        | F16L 3/22   |
| D943,393     | S *  | 2/2022  | McVey .....        | D8/354      |
| 11,396,959   | B2 * | 7/2022  | Reynolds .....     | H02G 3/263  |
| 2005/0109586 | A1 * | 5/2005  | Schoendienst ..... | B65G 17/22  |
|              |      |         |                    | 198/801     |
| 2011/0290948 | A1 * | 12/2011 | Benne .....        | F16L 3/11   |
|              |      |         |                    | 248/58      |

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

(21) Appl. No.: **29/754,939**

(22) Filed: **Oct. 15, 2020**

(30) **Foreign Application Priority Data**

|               |      |                |
|---------------|------|----------------|
| Apr. 16, 2020 | (EM) | 007809983-0001 |
| Apr. 16, 2020 | (EM) | 007809983-0002 |
| Apr. 16, 2020 | (EM) | 007809983-0003 |
| Apr. 16, 2020 | (EM) | 007809983-0004 |
| Apr. 16, 2020 | (EM) | 007809983-0005 |
| Apr. 16, 2020 | (EM) | 007809983-0006 |
| Apr. 16, 2020 | (EM) | 007809983-0007 |
| Apr. 16, 2020 | (EM) | 007809983-0008 |

(Continued)

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(51) **LOC (14) Cl.** ..... **08-11**

(52) **U.S. Cl.**  
USPC ..... **D8/373**

(58) **Field of Classification Search**  
USPC ..... D6/566; D8/349, 350, 352, 354, 355, D8/366, 373, 377; D12/406, 412; D21/694; D25/107, 108, 109, 119, 120, D25/121, 122, 123, 124, 125, 127, 134, D25/152, 156  
CPC .. F16C 2314/72; F16C 29/0623; F16C 29/06; F16C 29/0609; F16C 29/005; F16C 29/008; F16C 29/04; F16C 29/0657; F16C 29/004; F16C 29/12; A47B 1/10;

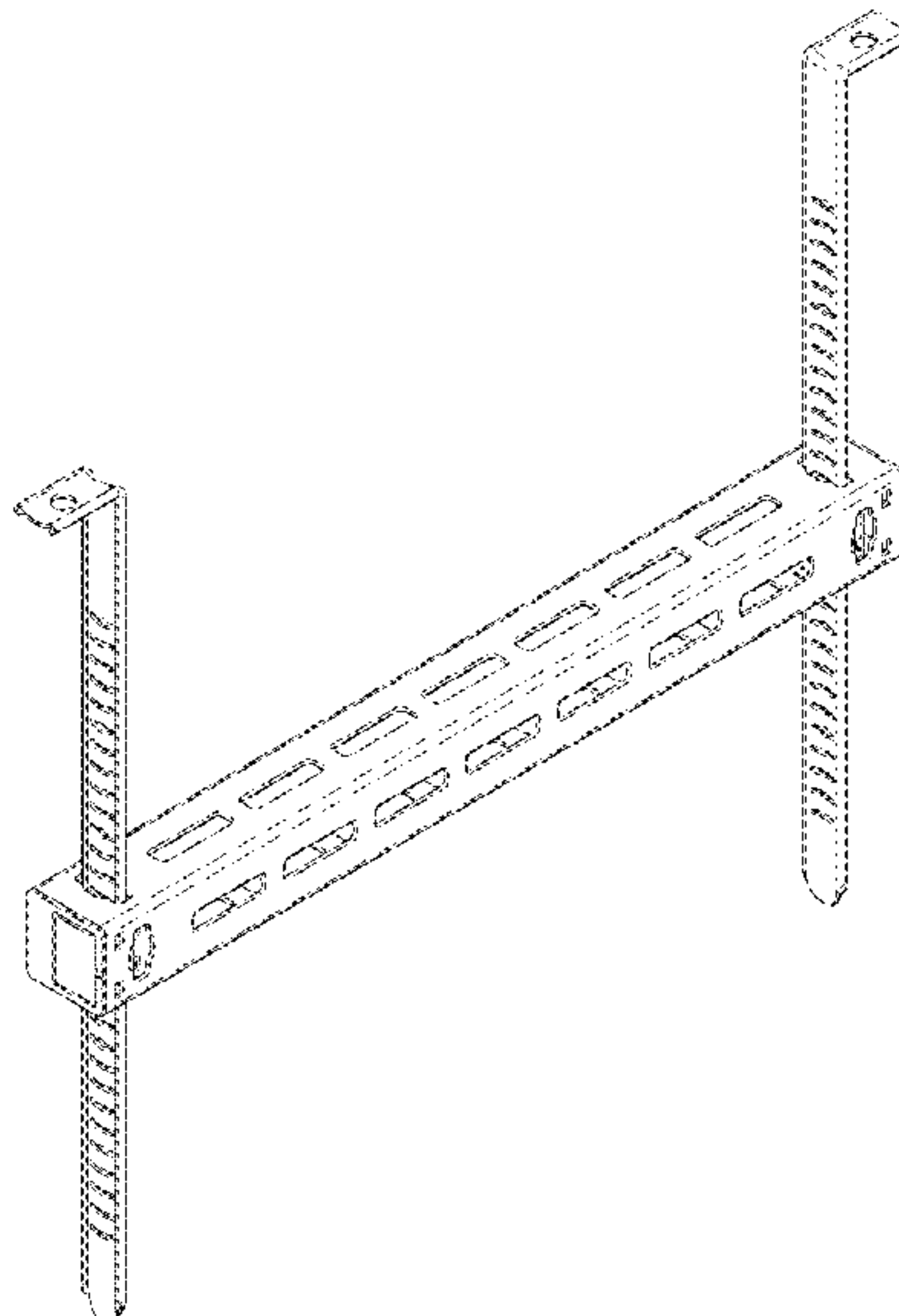
(57) **CLAIM**

The ornamental design for a suspension assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a back view of the suspension assembly; FIG. 2 is a bottom view thereof; FIG. 3 is a front view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a perspective closed view thereof; FIG. 6 is a perspective open view thereof; FIG. 7 is a right side view thereof; and, FIG. 8 is a top view thereof.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2019/0376544 A1\* 12/2019 Davis ..... F16L 3/222  
2022/0282804 A1\* 9/2022 Davis ..... H02G 3/30

\* cited by examiner

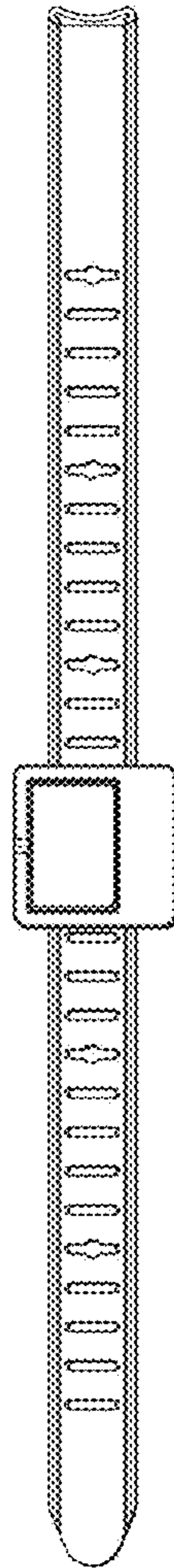


FIG. 1

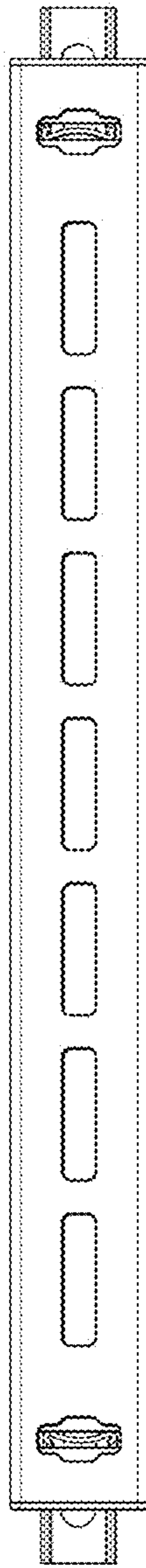


FIG. 2

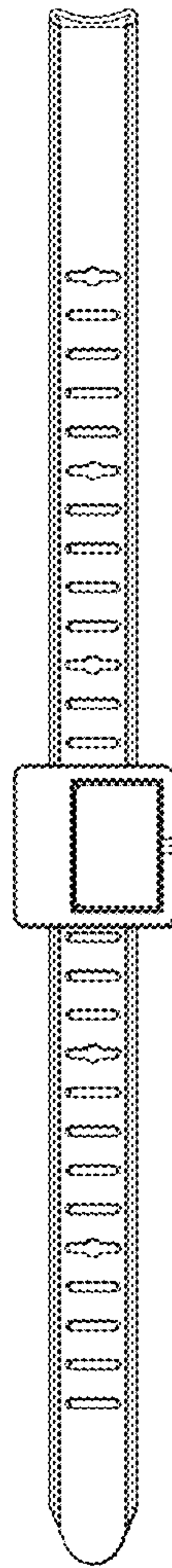


FIG. 3

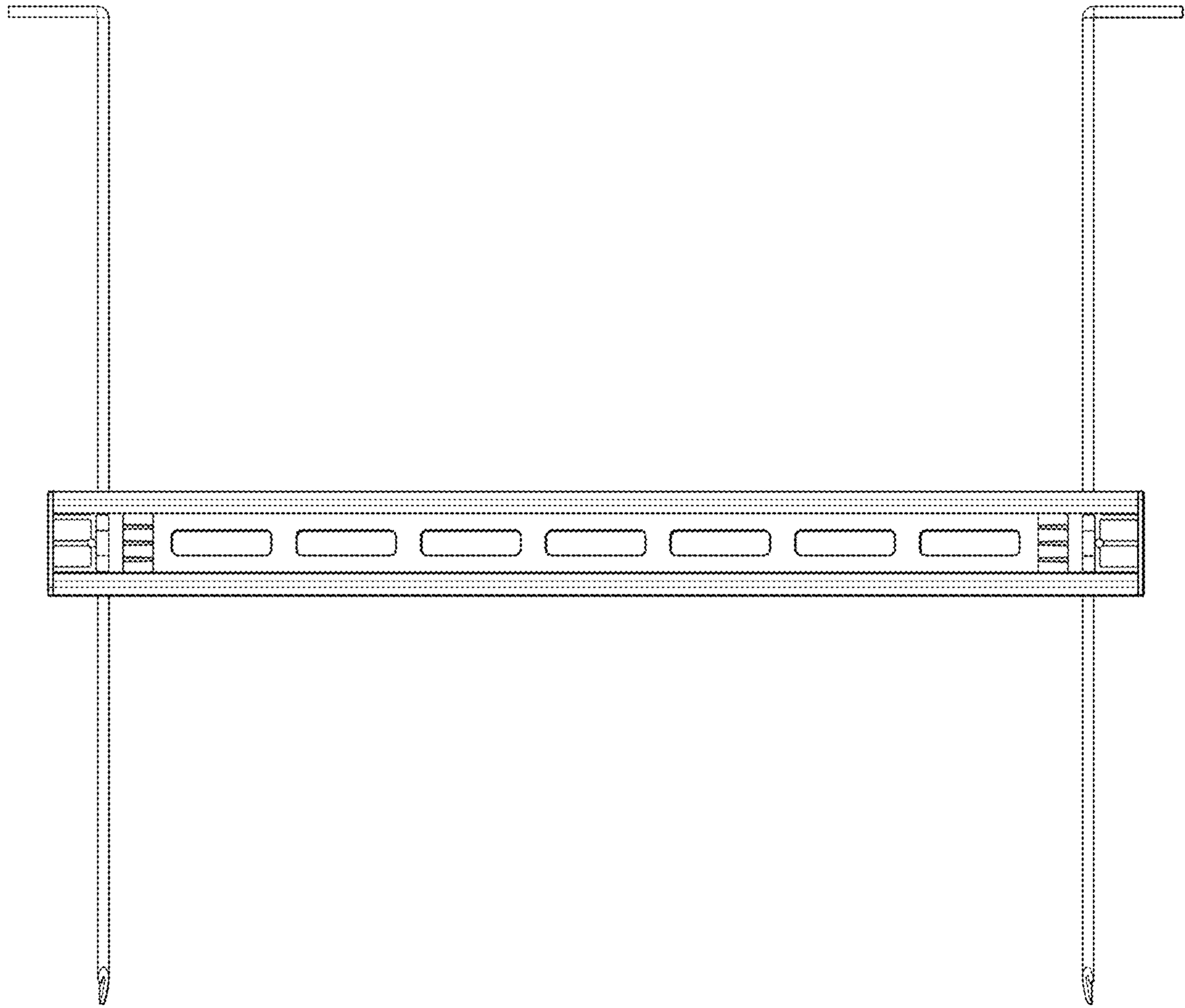


FIG. 4

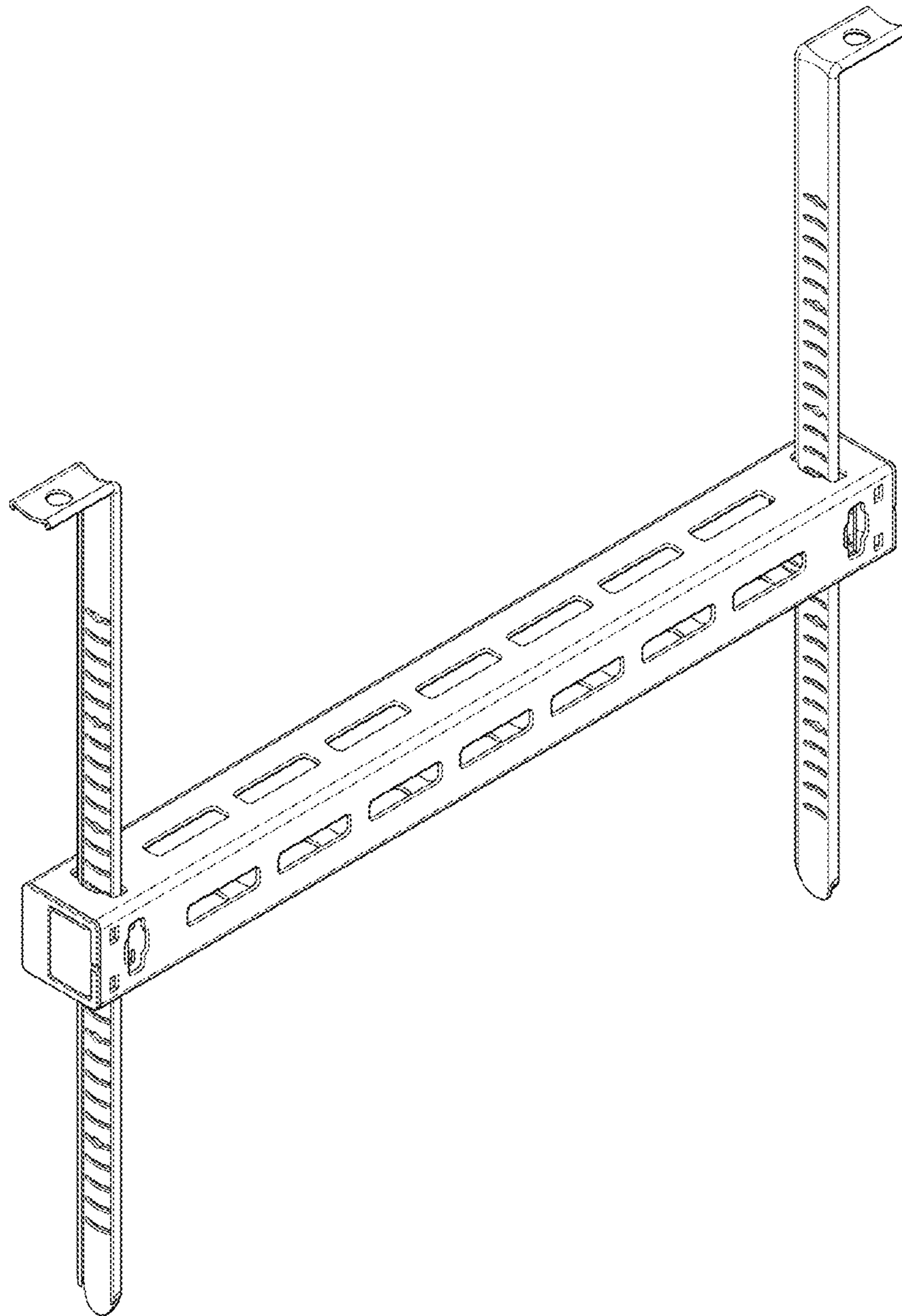


FIG. 5



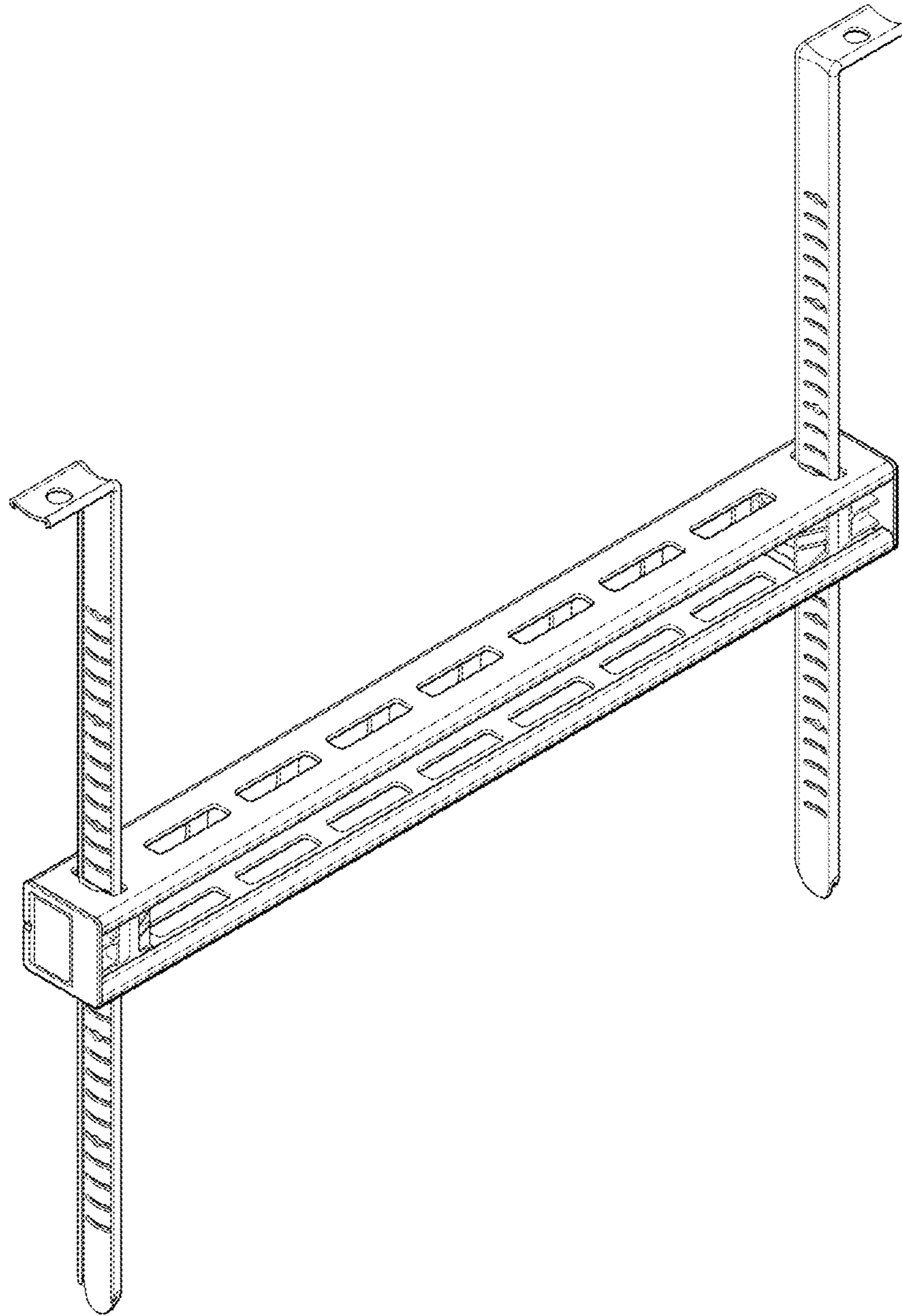


FIG. 6



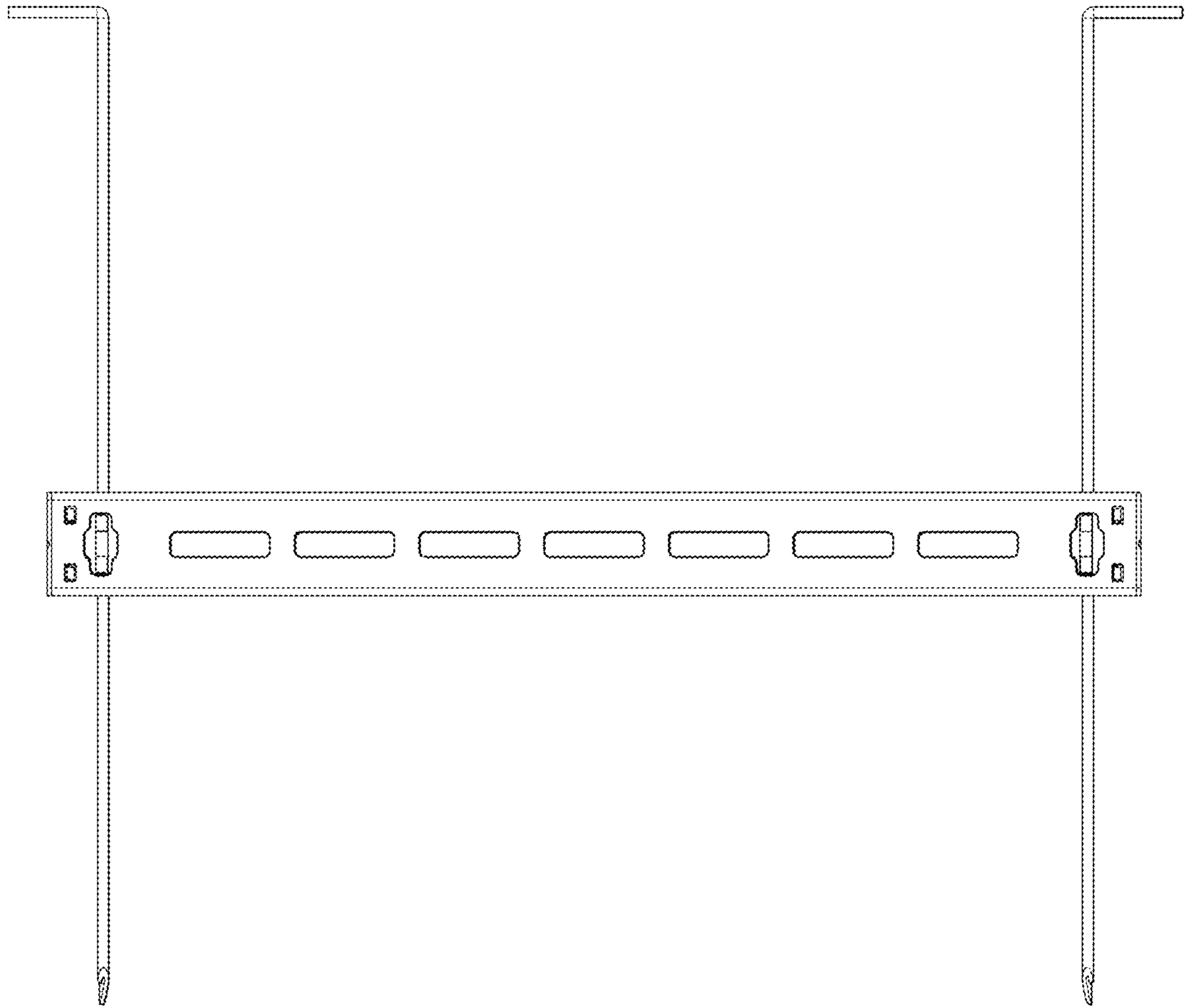


FIG. 7

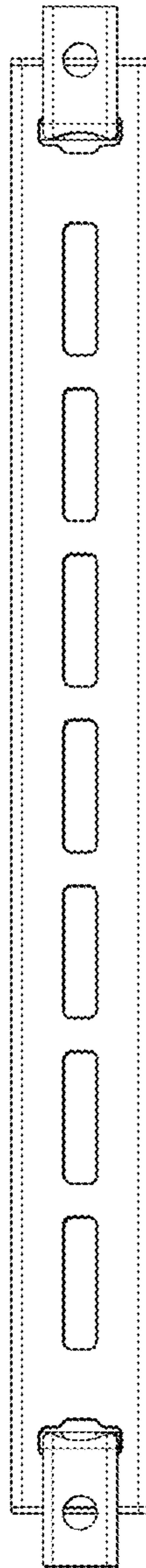


FIG. 8