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(12) **United States Design Patent**  
**Firchau et al.**

(10) **Patent No.:** **US D723,090 S**  
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(54) **STABILISED GIMBAL ASSEMBLY**

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(73) Assignee: **Freefly Systems, Inc.**, Redmond, WA (US)

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

(21) Appl. No.: **29/464,390**

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(51) **LOC (10) Cl.** ..... **16-05**

(52) **U.S. Cl.**  
USPC ..... **D16/242**

(58) **Field of Classification Search**  
USPC ..... D3/218, 274, 318, 321, 328; D6/406.3, D6/406.4; D10/113.4; D12/415, 416; D14/204, 209.1, 216, 217, 239, 251, D14/253, 302, 307, 374, 375, 376, 377, 392, D14/432, 433, 434, 439, 440, 447, 448, 449, D14/451, 452, 457; D16/237, 239, 242, D16/243, 244, 245, 246, 250; 33/321; 108/42, 152; 190/117; 248/118, 188.5, 248/121, 129, 149, 150, 166, 176.1, 177.1, 248/187.7, 434, 441.1, 444, 447, 451, 460, 248/463, 535, 682, 688, 689, 690, 691, 248/692; 318/649; 352/242, 243; 361/679.03, 679.05, 679.09, 679.26, 361/679.27, 679.3, 679.55, 679.56; 396/419, 421, 422, 425, 428, 535  
See application file for complete search history.

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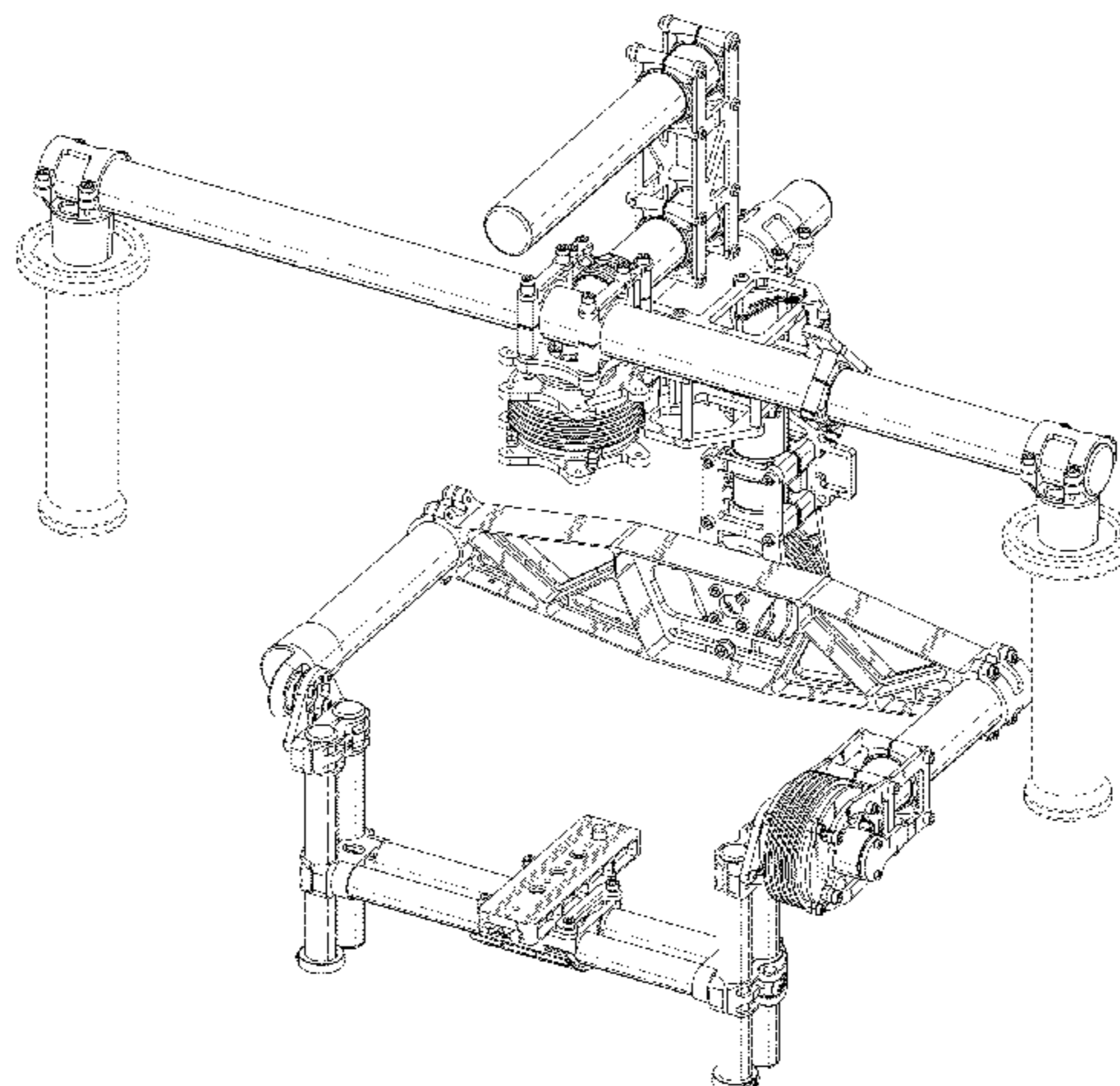
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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front, left side, perspective view of a stabilised gimbal assembly, showing our new design;  
FIG. 2 is a rear, right side, perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a left side elevation view thereof;  
FIG. 6 is a right side elevation view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is a front, left side, perspective view of a stabilised gimbal sub-assembly for a stabilised gimbal assembly such as the stabilised gimbal assembly of FIG. 1, the sub-assembly is shown separate for the sake of clarity and not as a separate embodiment;  
FIG. 10 is a front, elevation view thereof;  
FIG. 11 is a rear elevation view thereof;  
FIG. 12 is a left side elevation view thereof;  
FIG. 13 is right side elevation view thereof;  
FIG. 14 is a top plan view thereof;  
FIG. 15 is a bottom plan view thereof;  
FIG. 16 is a front, left side perspective view of a roll beam sub-assembly for a stabilised gimbal assembly such as the



stabilised gimbal assembly of FIG. 1, the sub-assembly is shown separate for the sake of clarity and not as a separate embodiment;

FIG. 17 is a bottom, left side perspective view thereof;

FIG. 18 is a front, elevation view thereof;

FIG. 19 is a rear, elevation view thereof;

FIG. 20 is a left side elevation view thereof;

FIG. 21 is a right side elevation view thereof;

FIG. 22 is a top plan view thereof;

FIG. 23 is a bottom plan view thereof;

FIG. 24 is a front, left perspective view of a camera plate sub-assembly for a stabilised gimbal assembly such as the

stabilised gimbal assembly of FIG. 1, the sub-assembly is shown separate for the sake of clarity and not as a separate embodiment;

FIG. 25 is a rear, right perspective view thereof;

FIG. 26 is a front elevation view thereof;

FIG. 27 is a rear elevation view thereof;

FIG. 28 is a left side elevation view thereof;

FIG. 29 is a right side elevation view thereof;

FIG. 30 is a top plan view thereof; and,

FIG. 31 is a bottom plan view thereof.

The broken lines depict unclaimed portions of the stabilised gimbal assembly that and form no part of the claimed design.

**1 Claim, 23 Drawing Sheets**

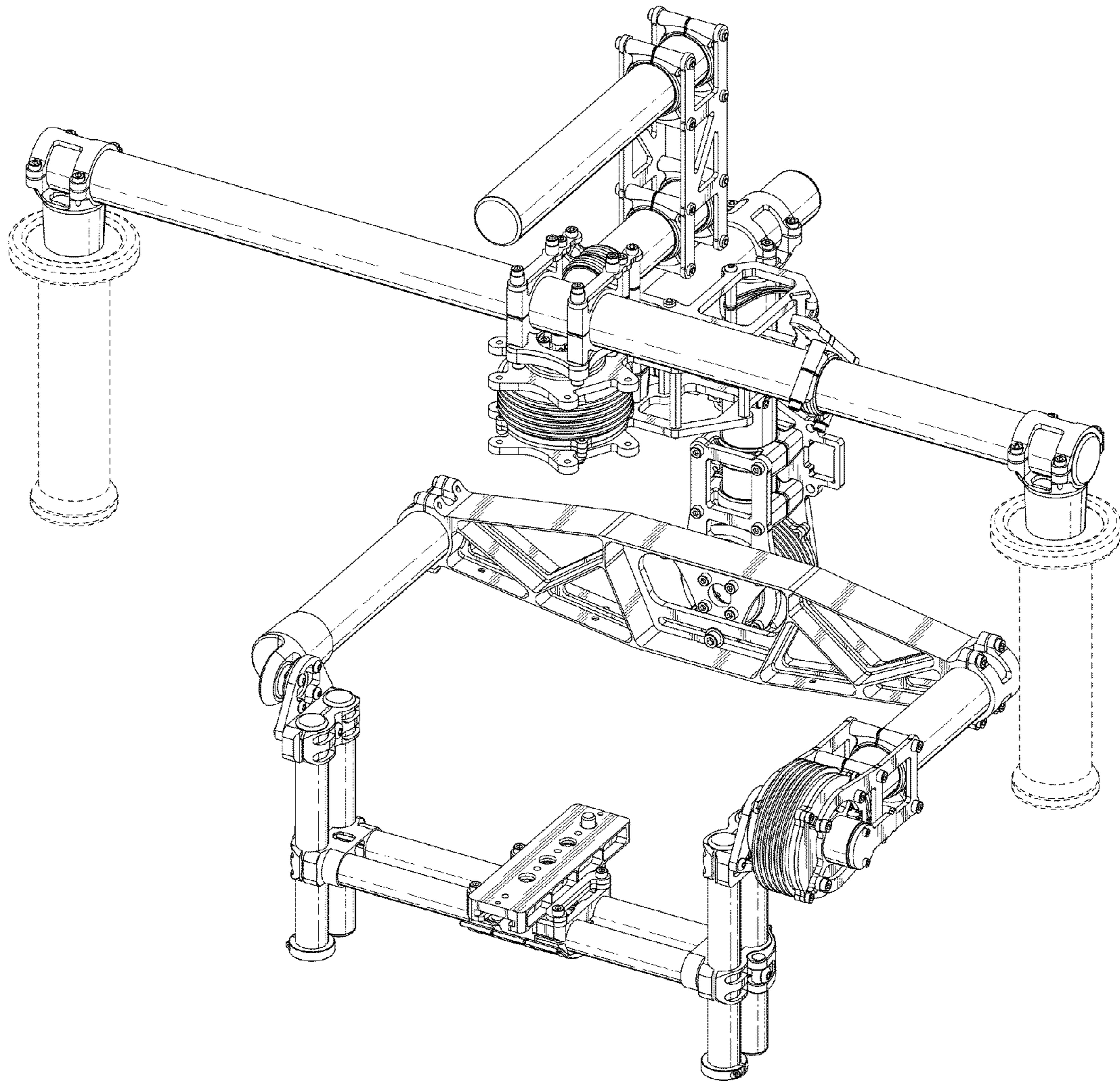


FIG. 1

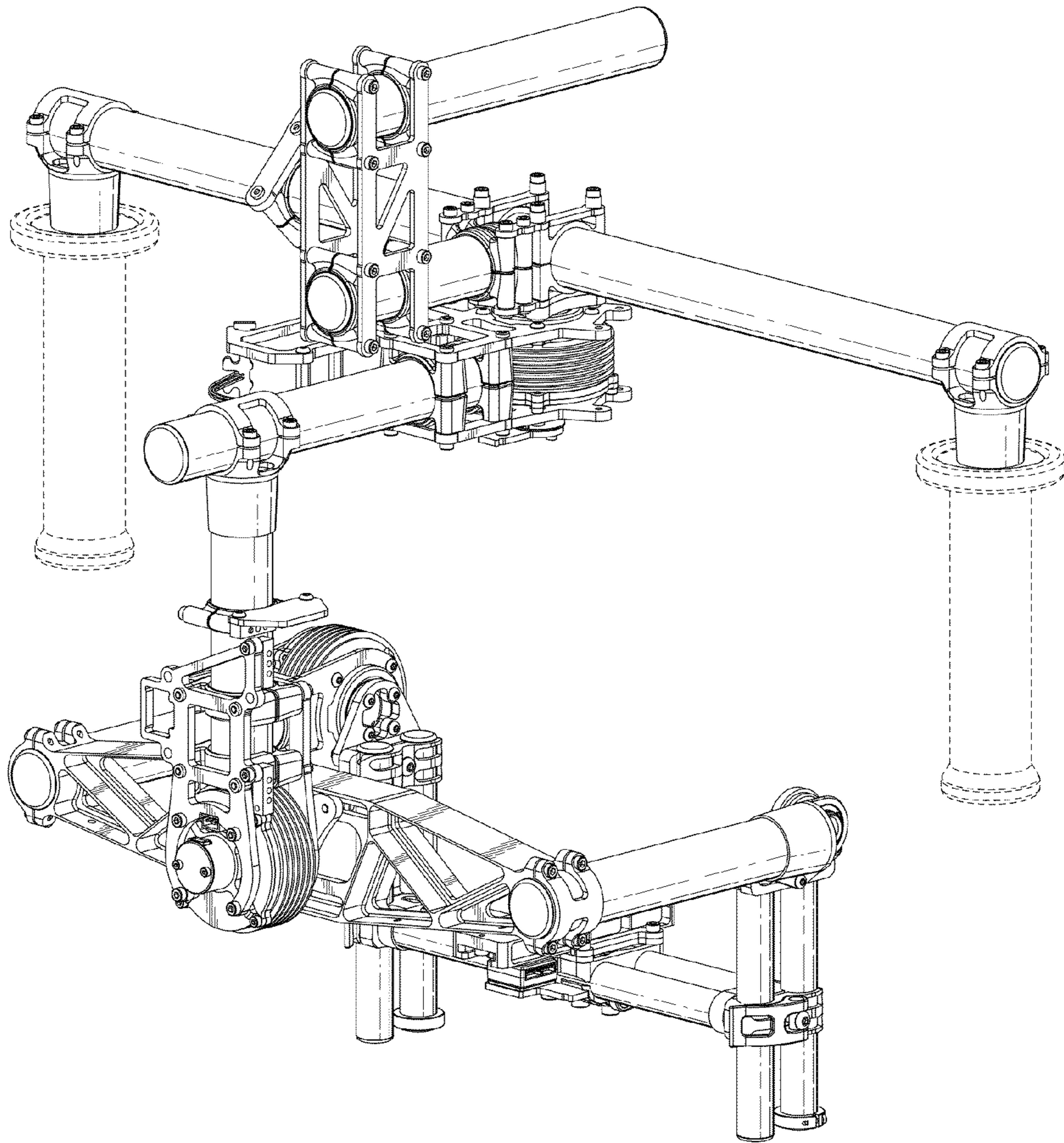


FIG. 2

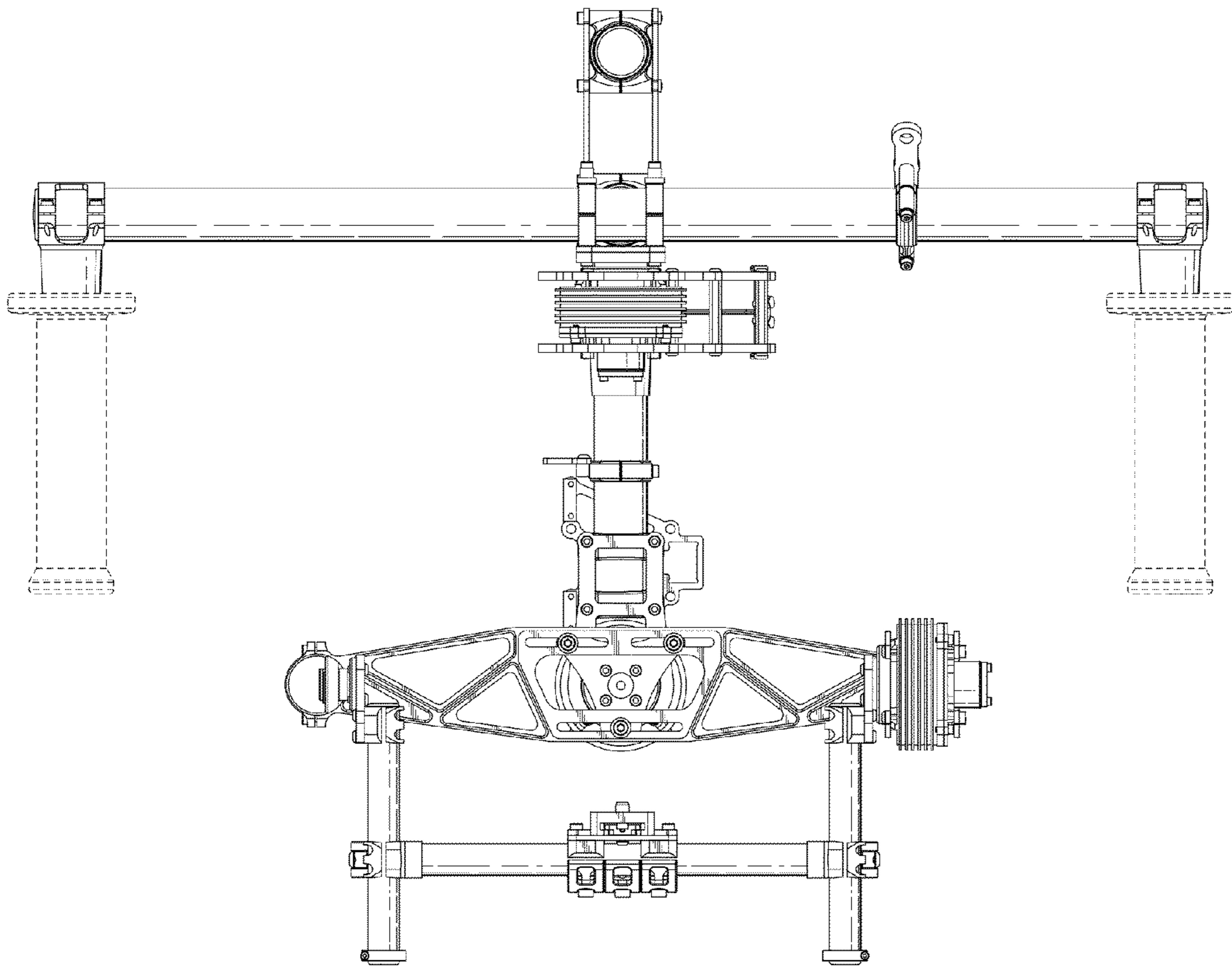


FIG. 3

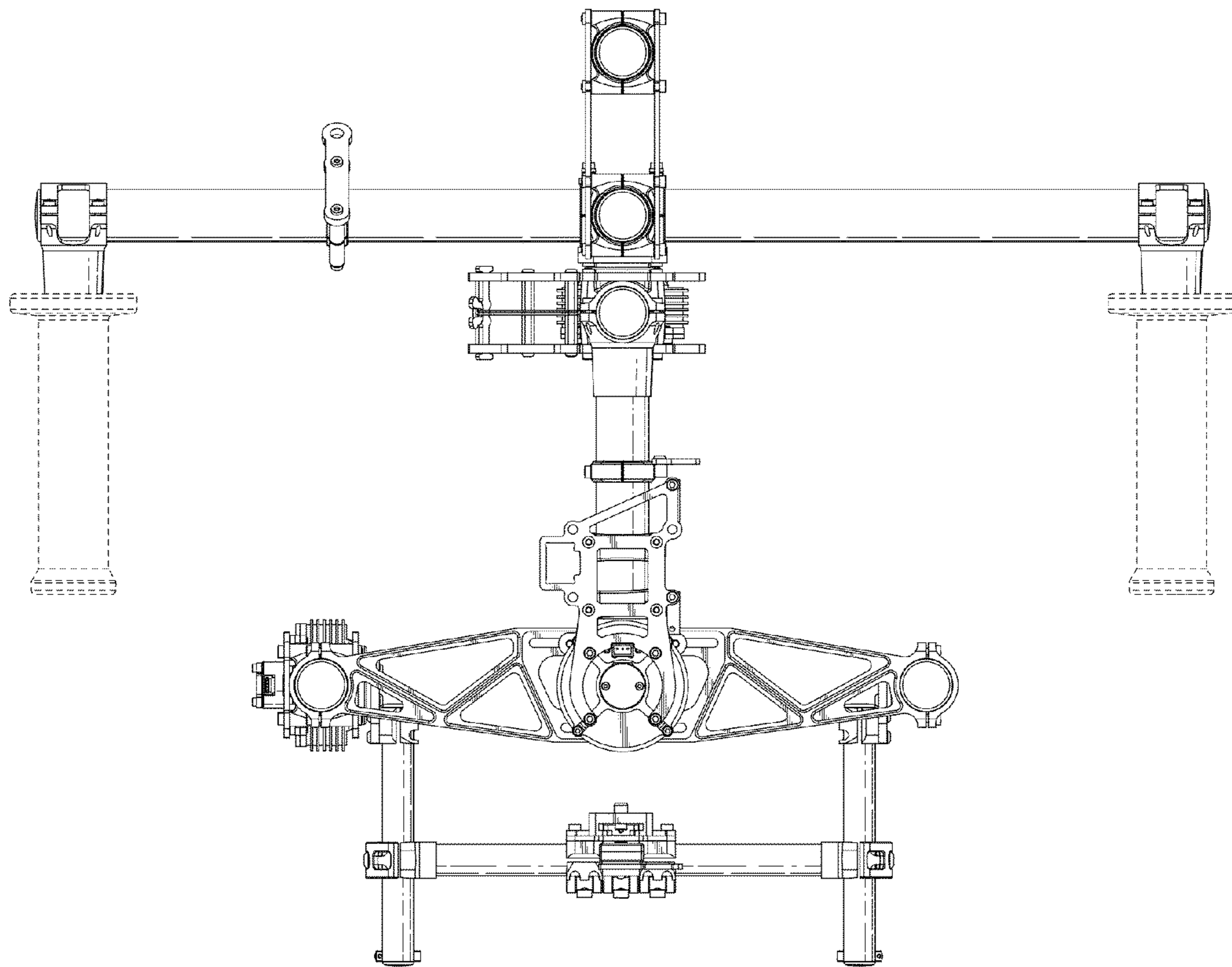
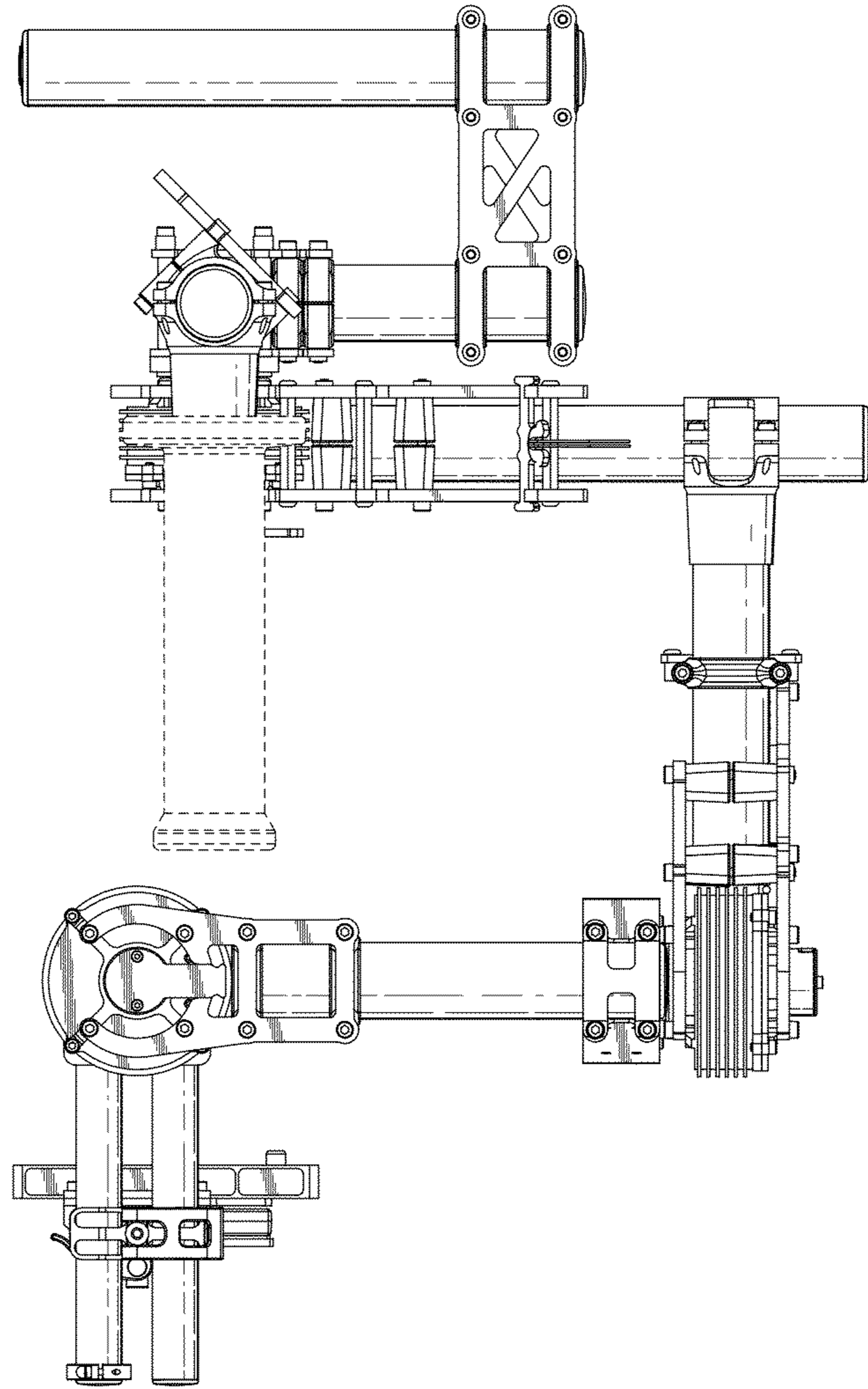


FIG. 4



*FIG. 5*

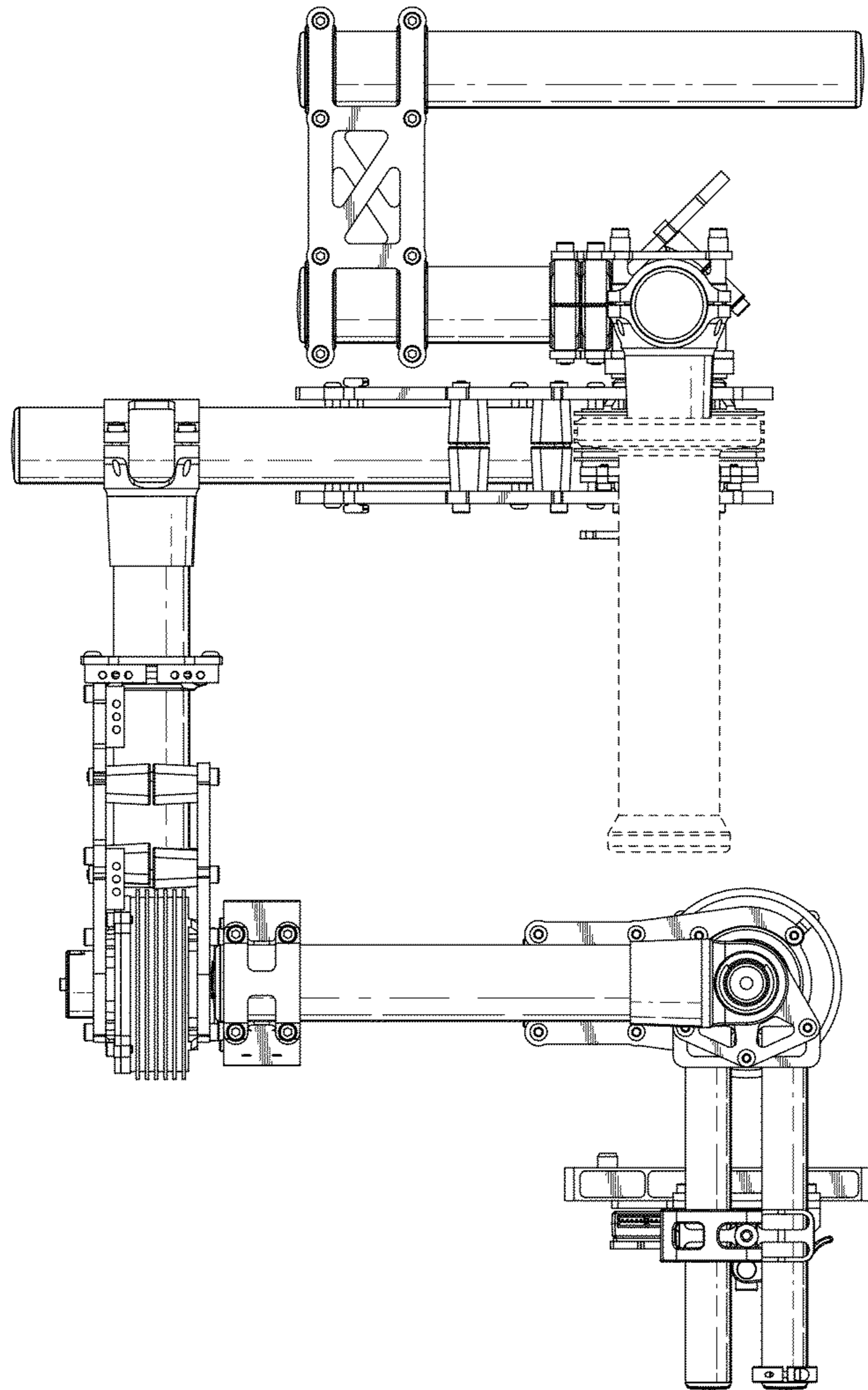


FIG. 6



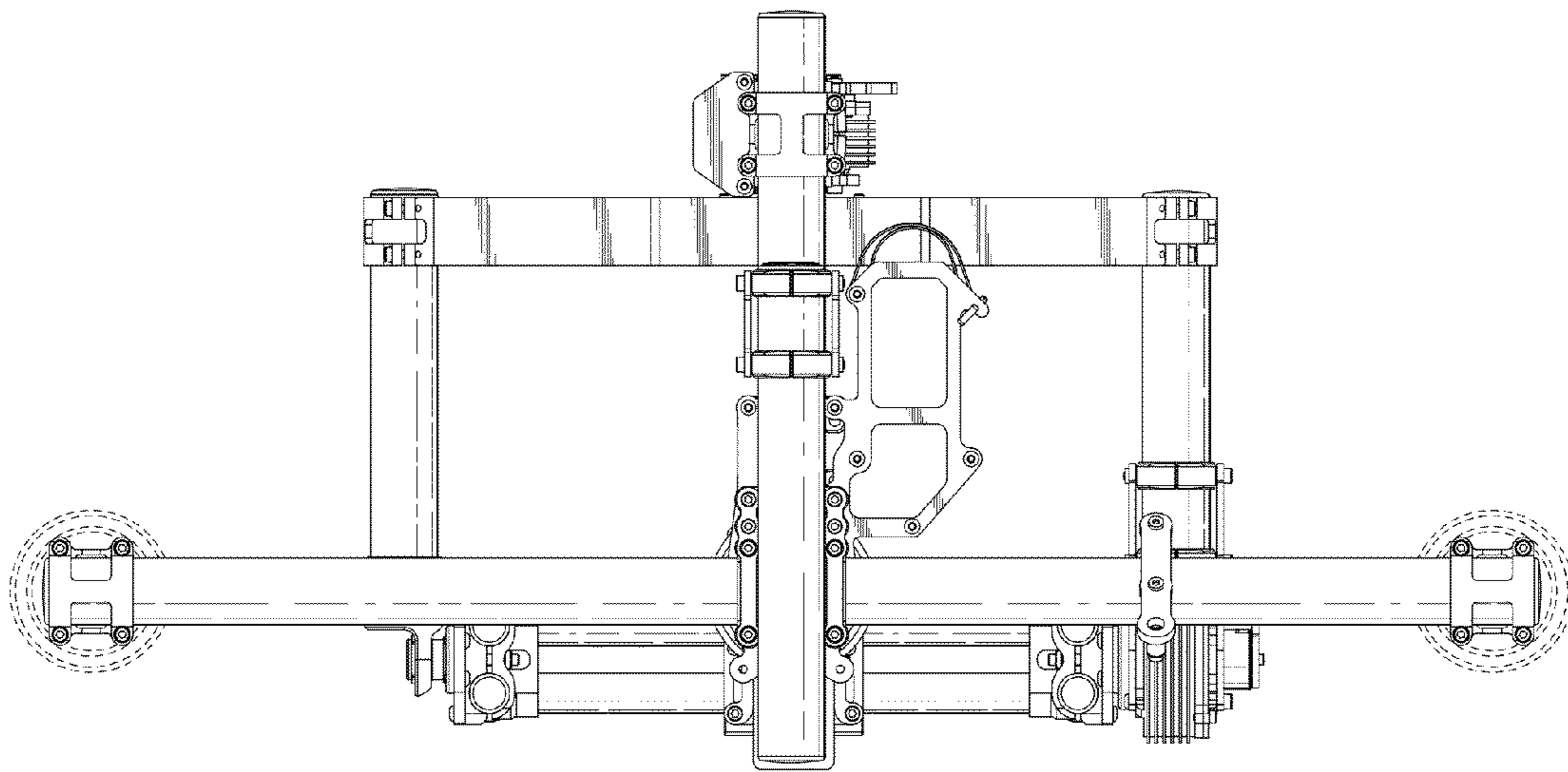


FIG. 7

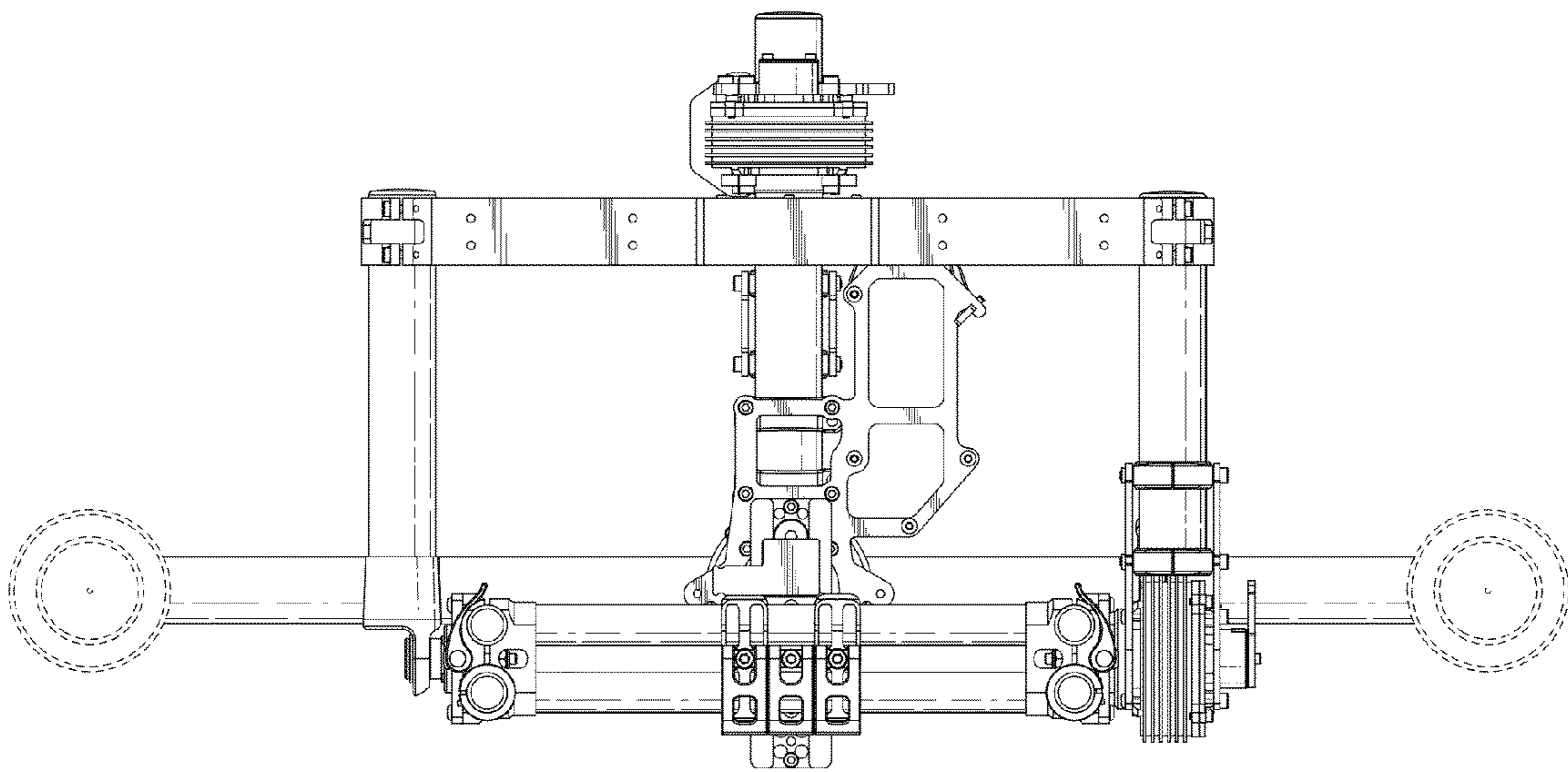


FIG. 8

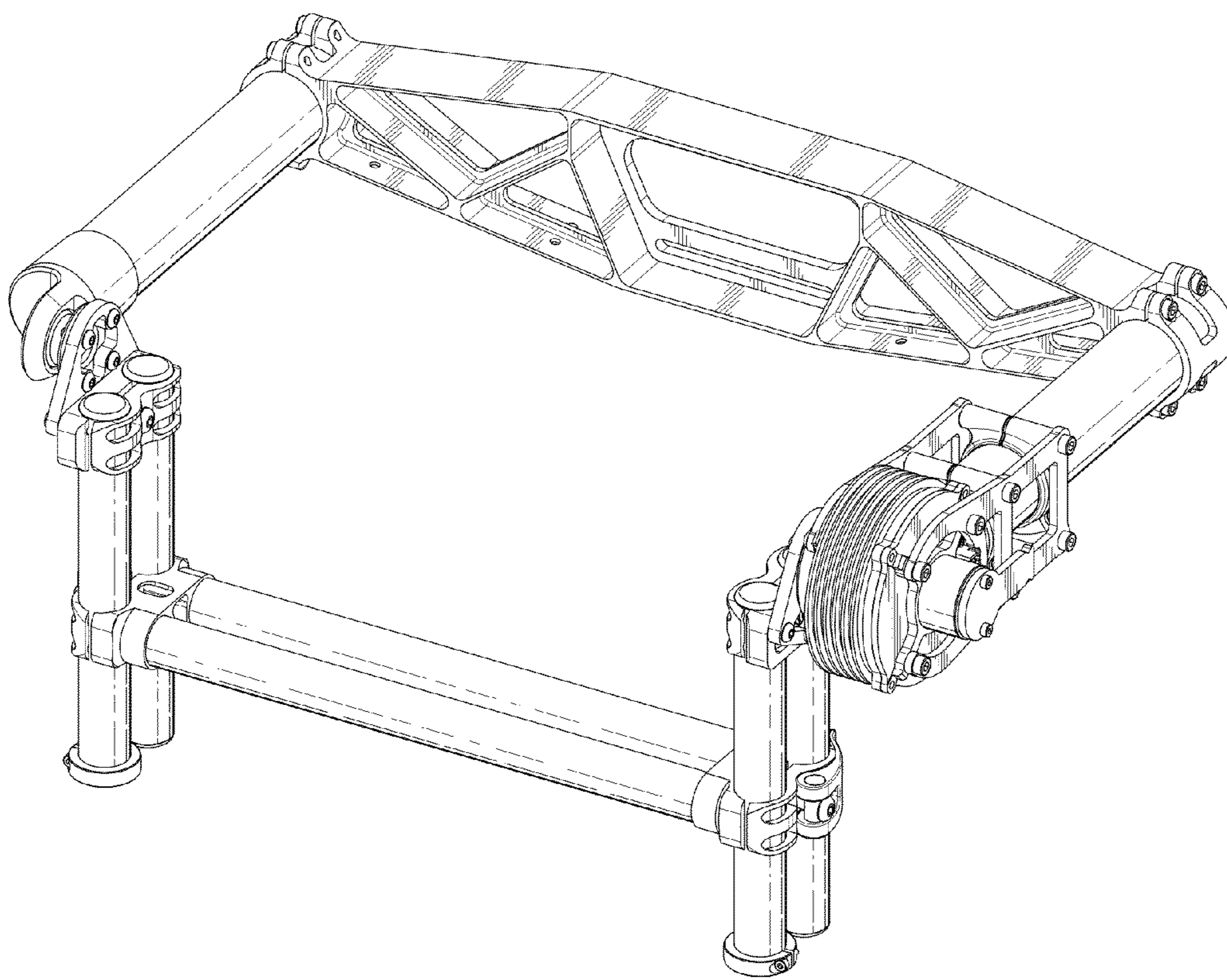


FIG. 9

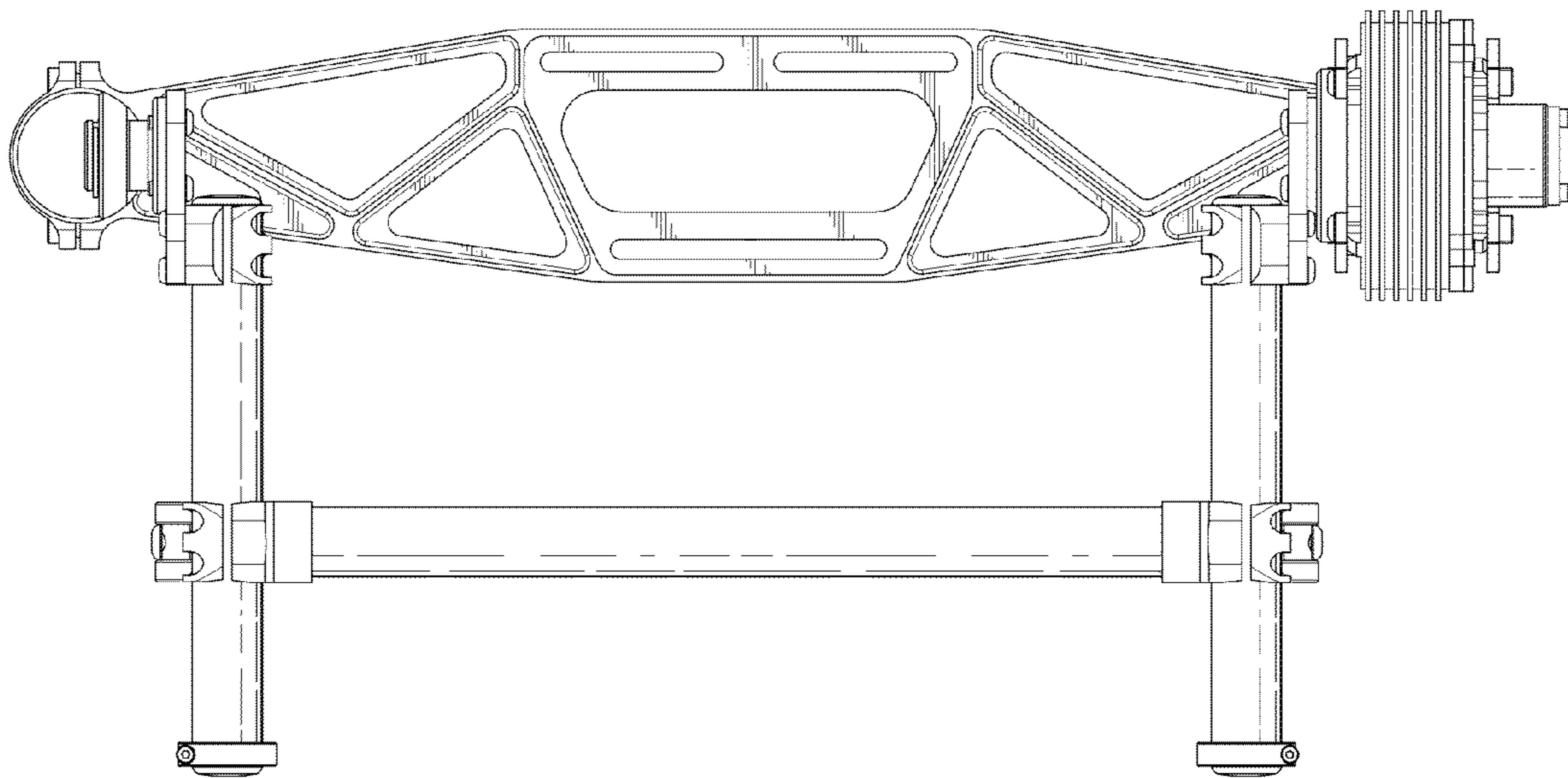


FIG. 10

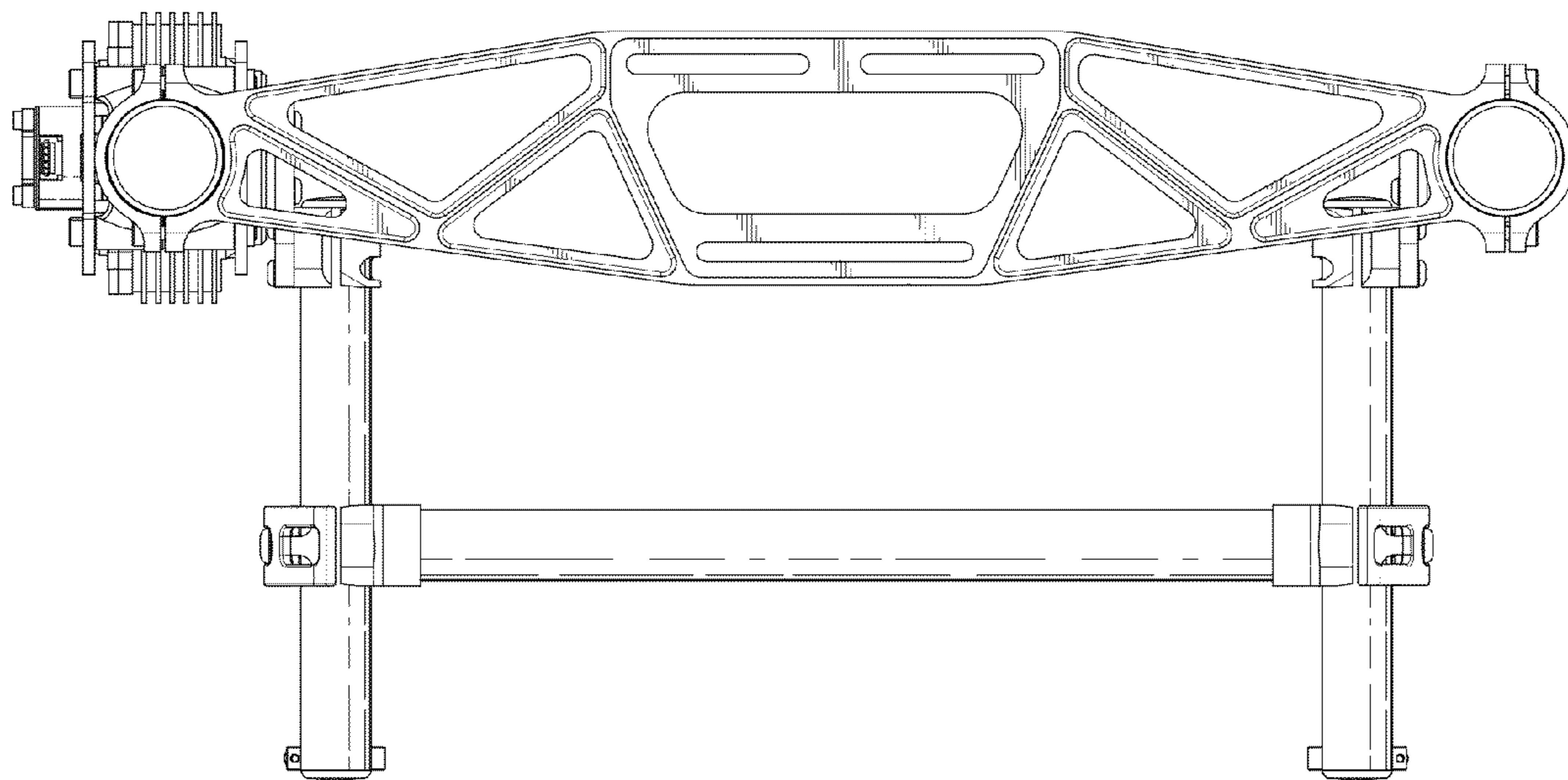
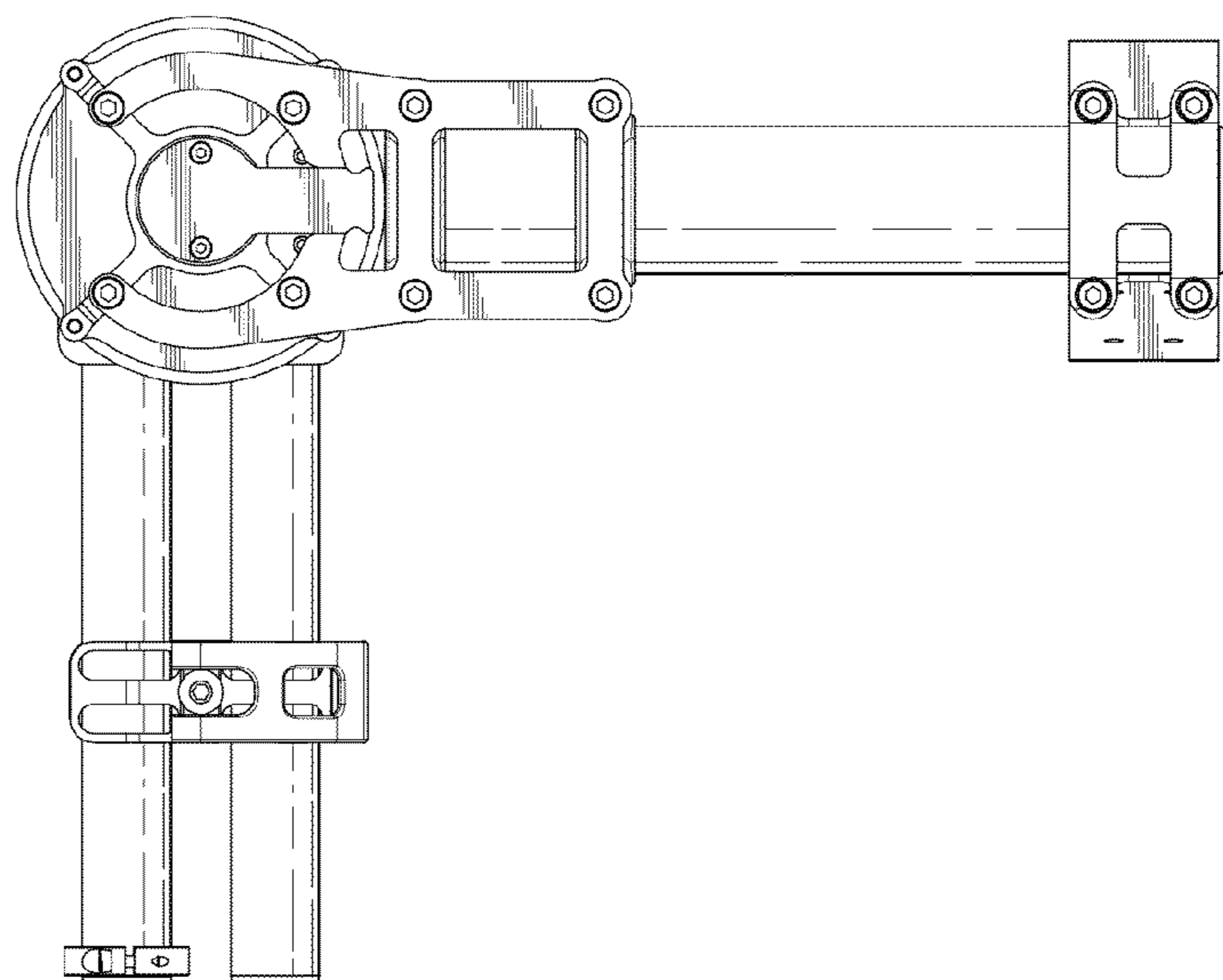
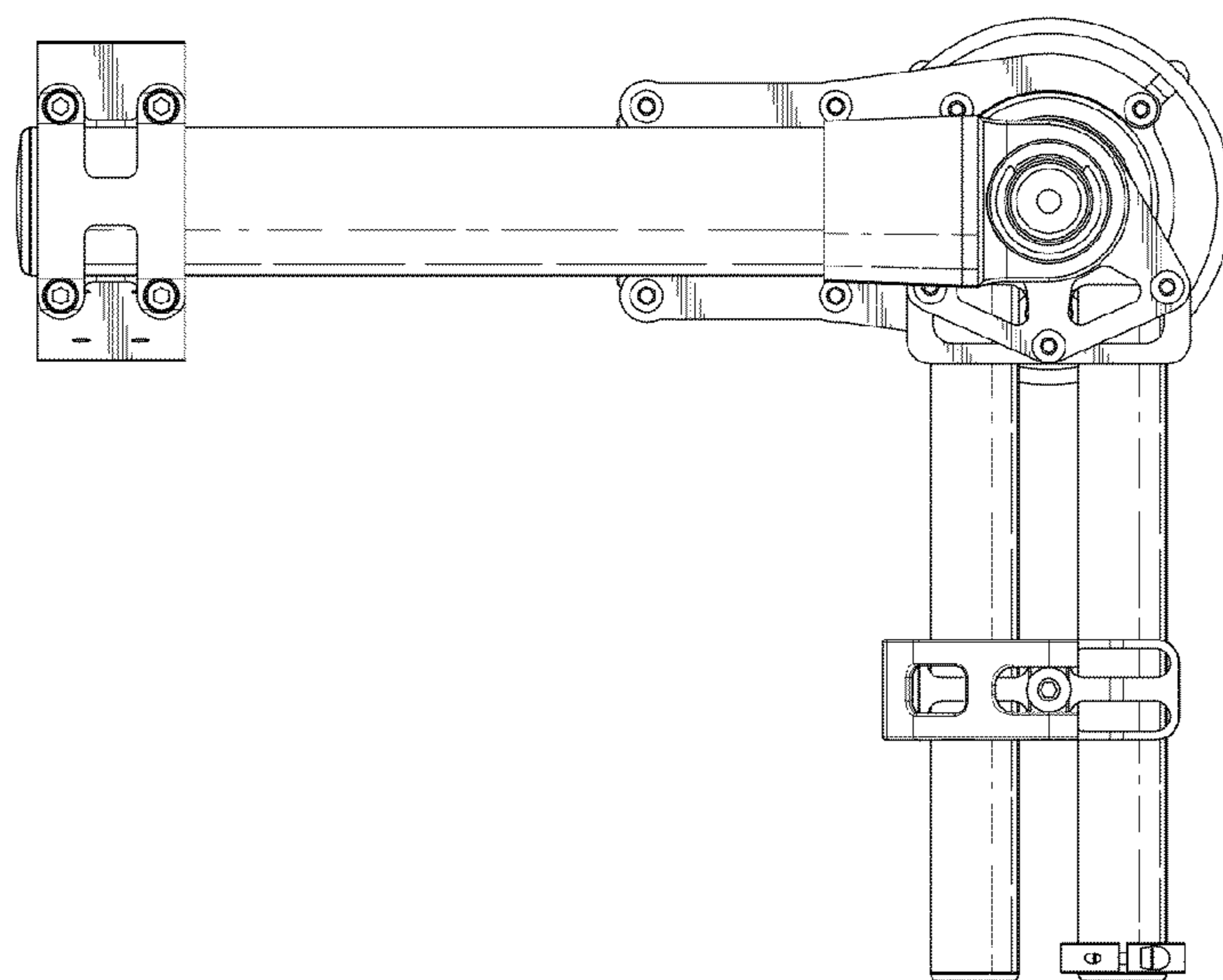


FIG. 11



*FIG. 12*



*FIG. 13*

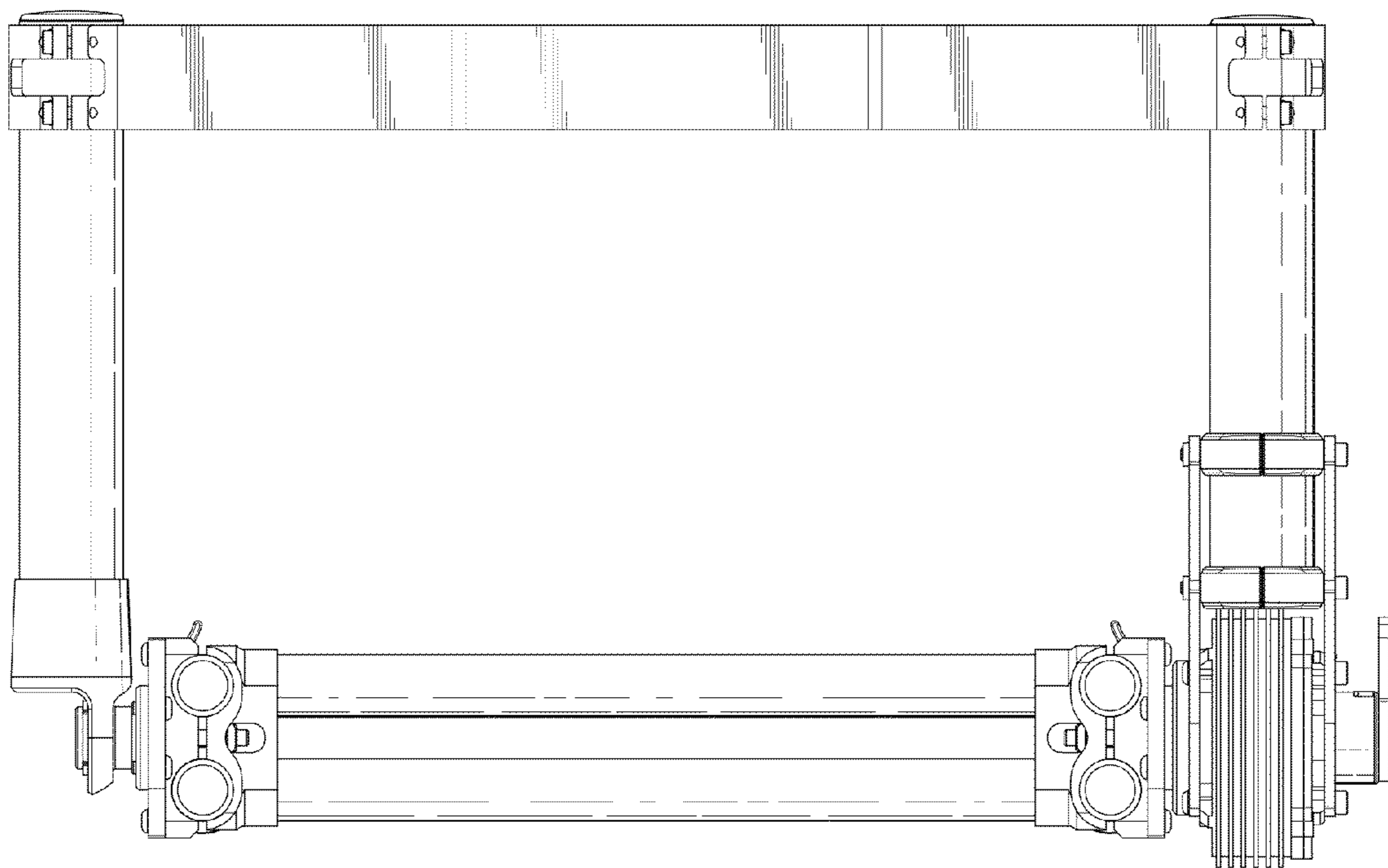


FIG. 14

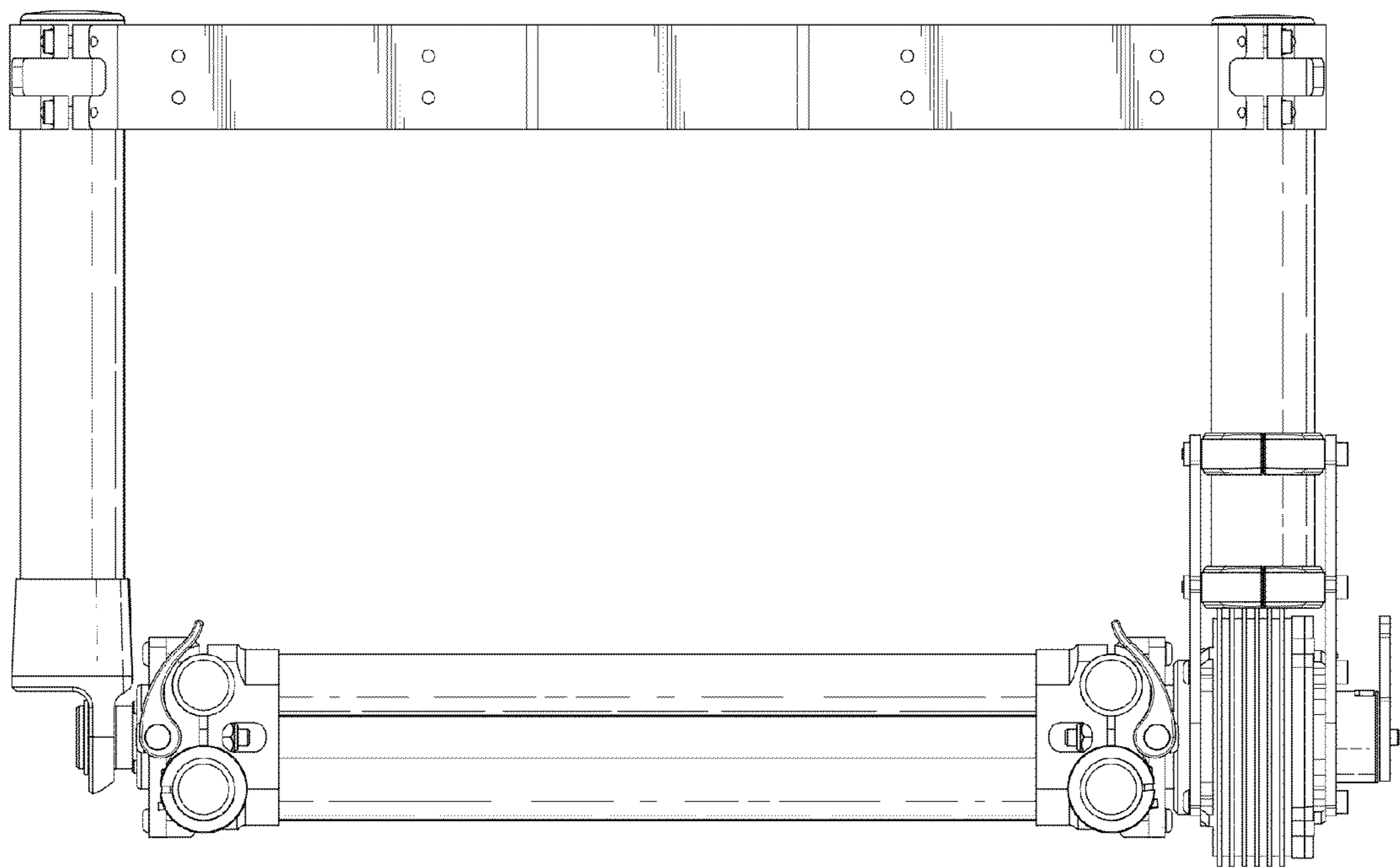


FIG. 15



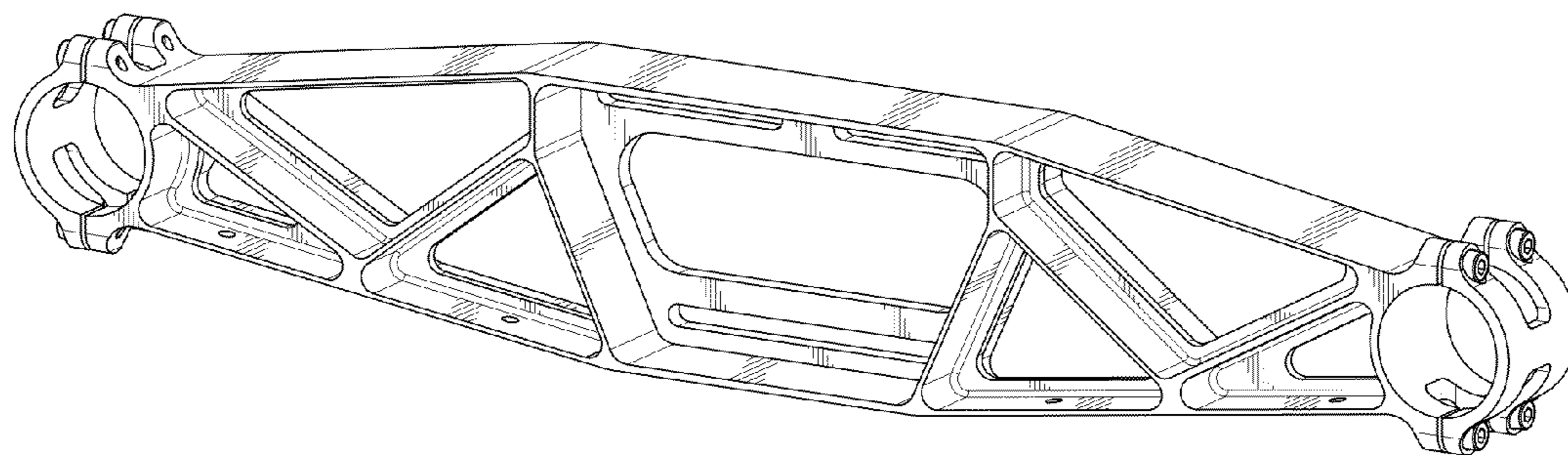


FIG. 16

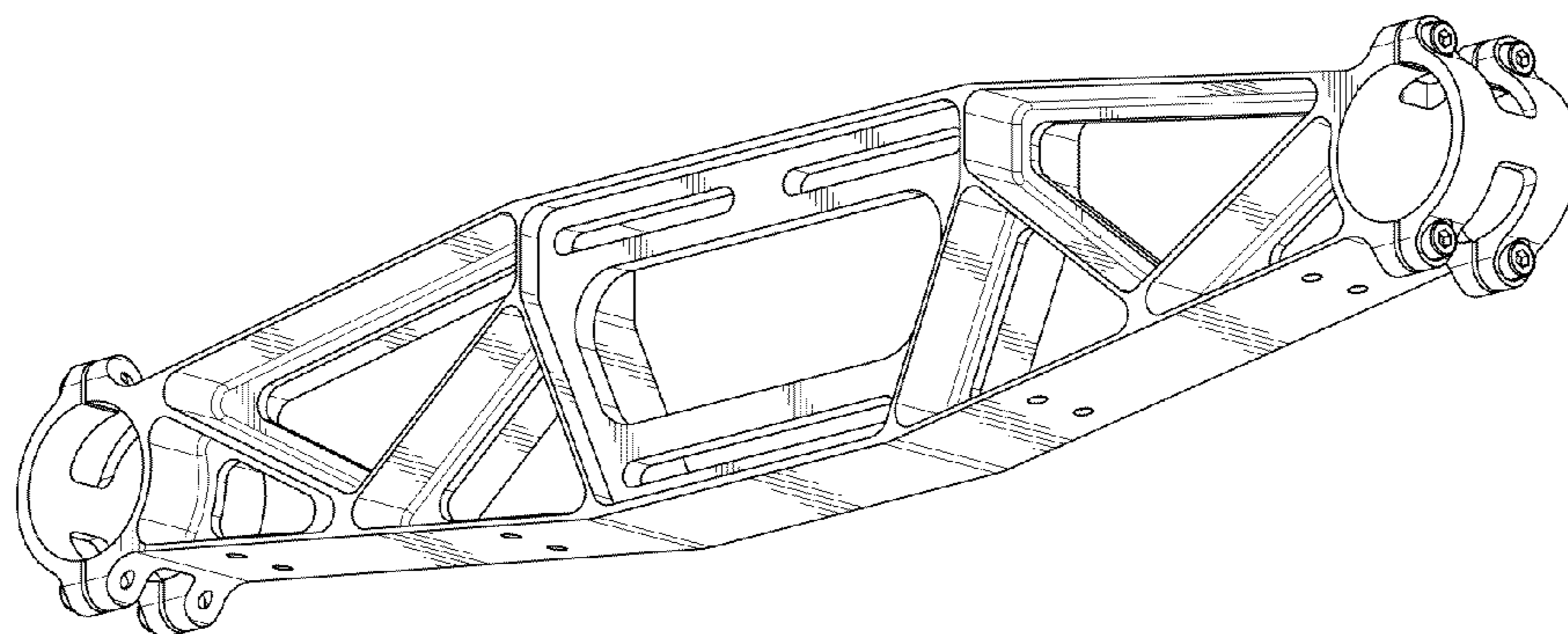
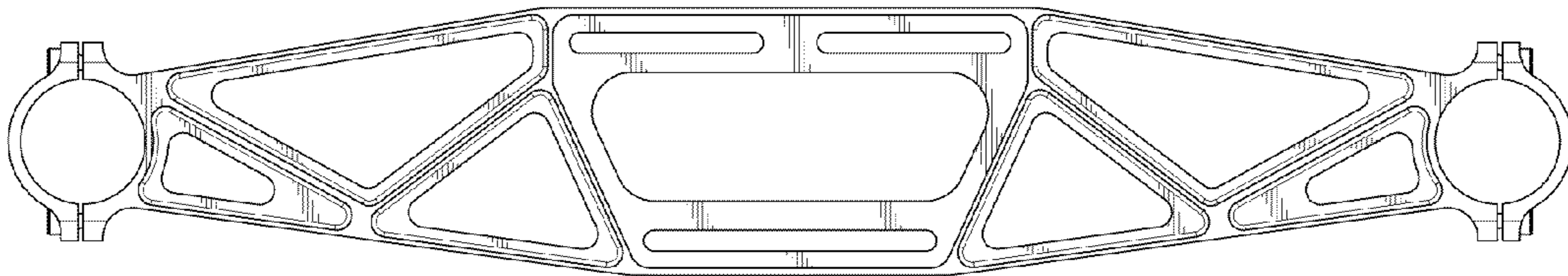
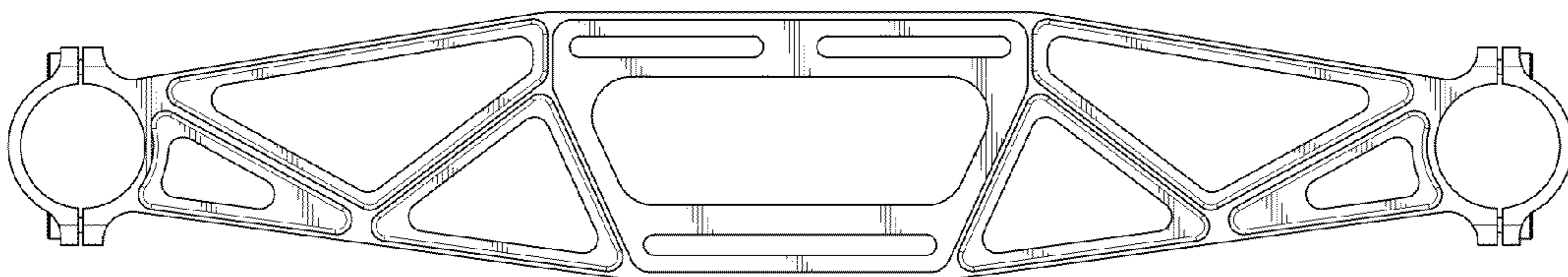


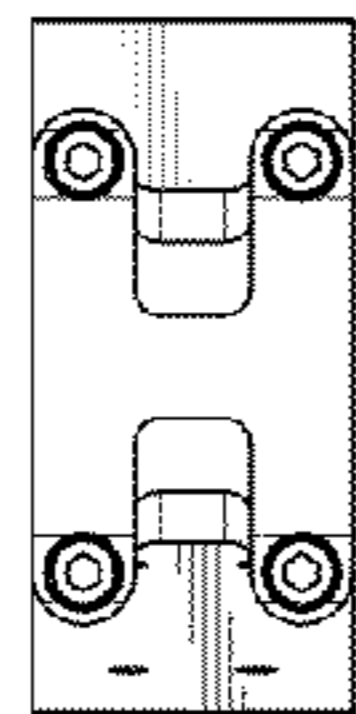
FIG. 17



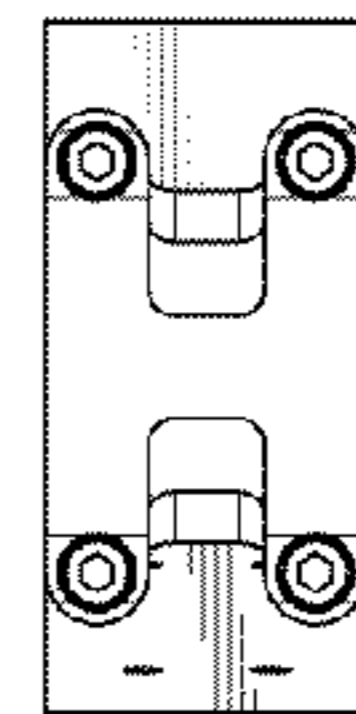
*FIG. 18*



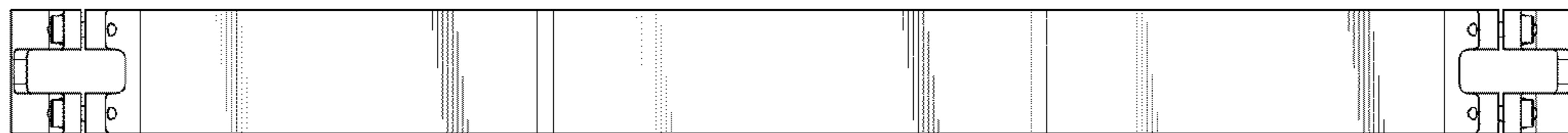
*FIG. 19*



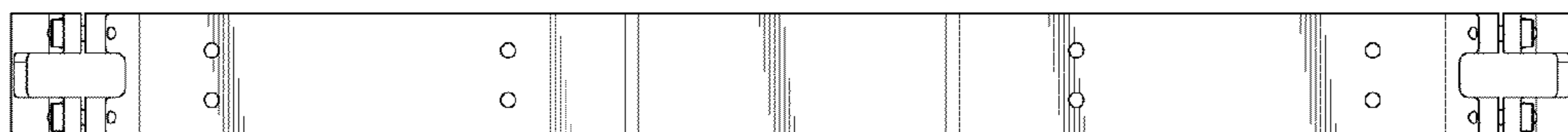
*FIG. 20*



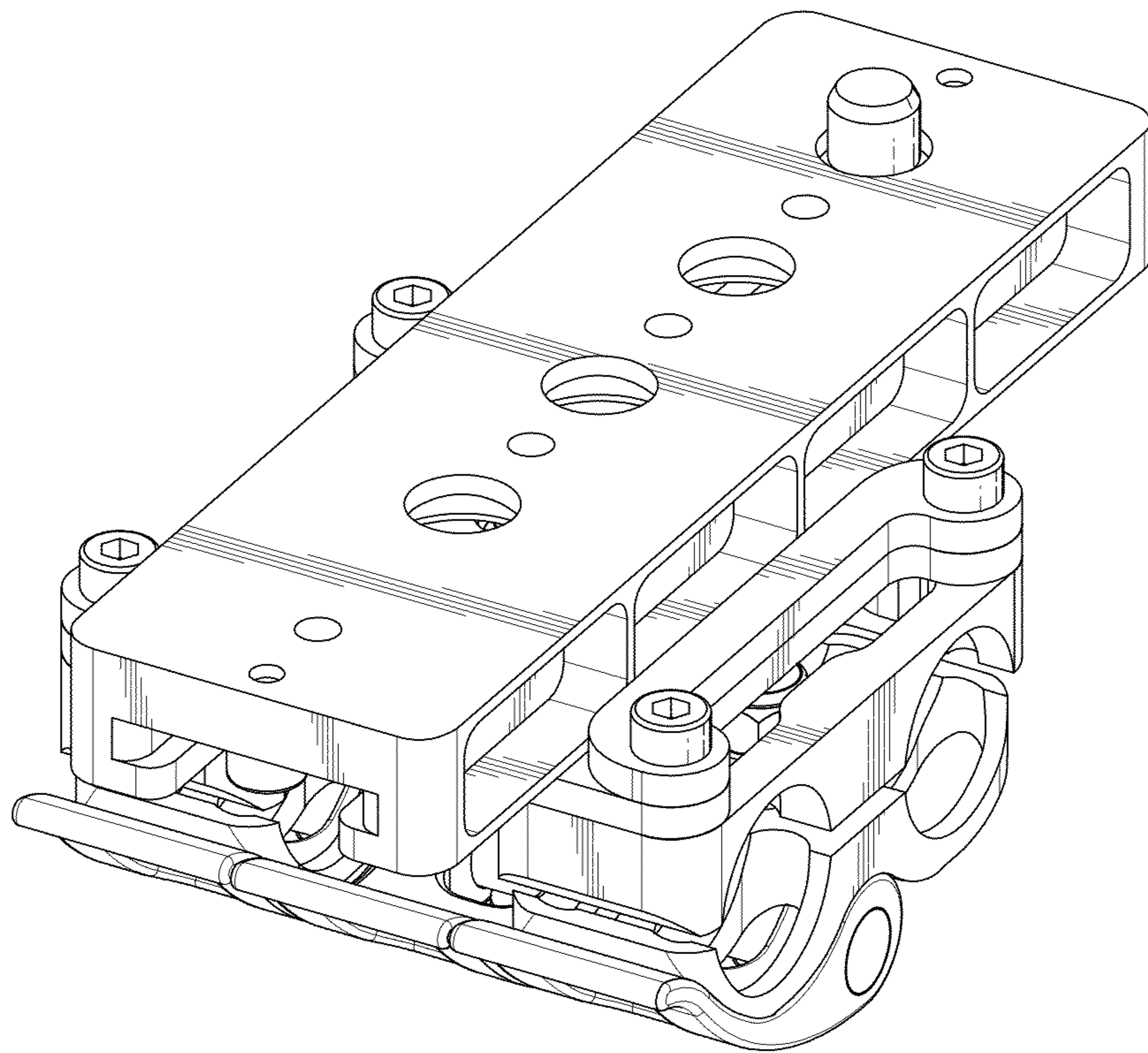
*FIG. 21*



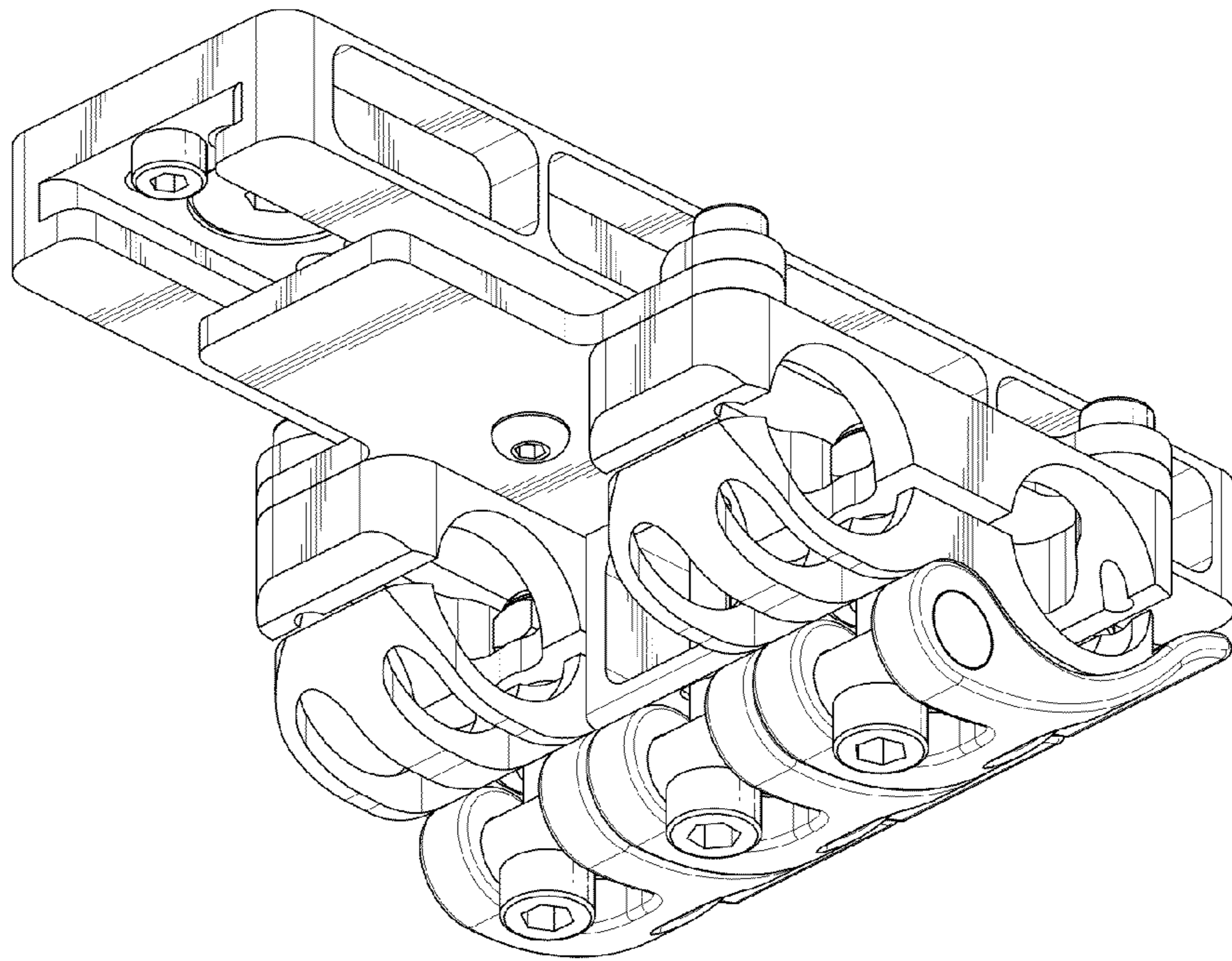
*FIG. 22*



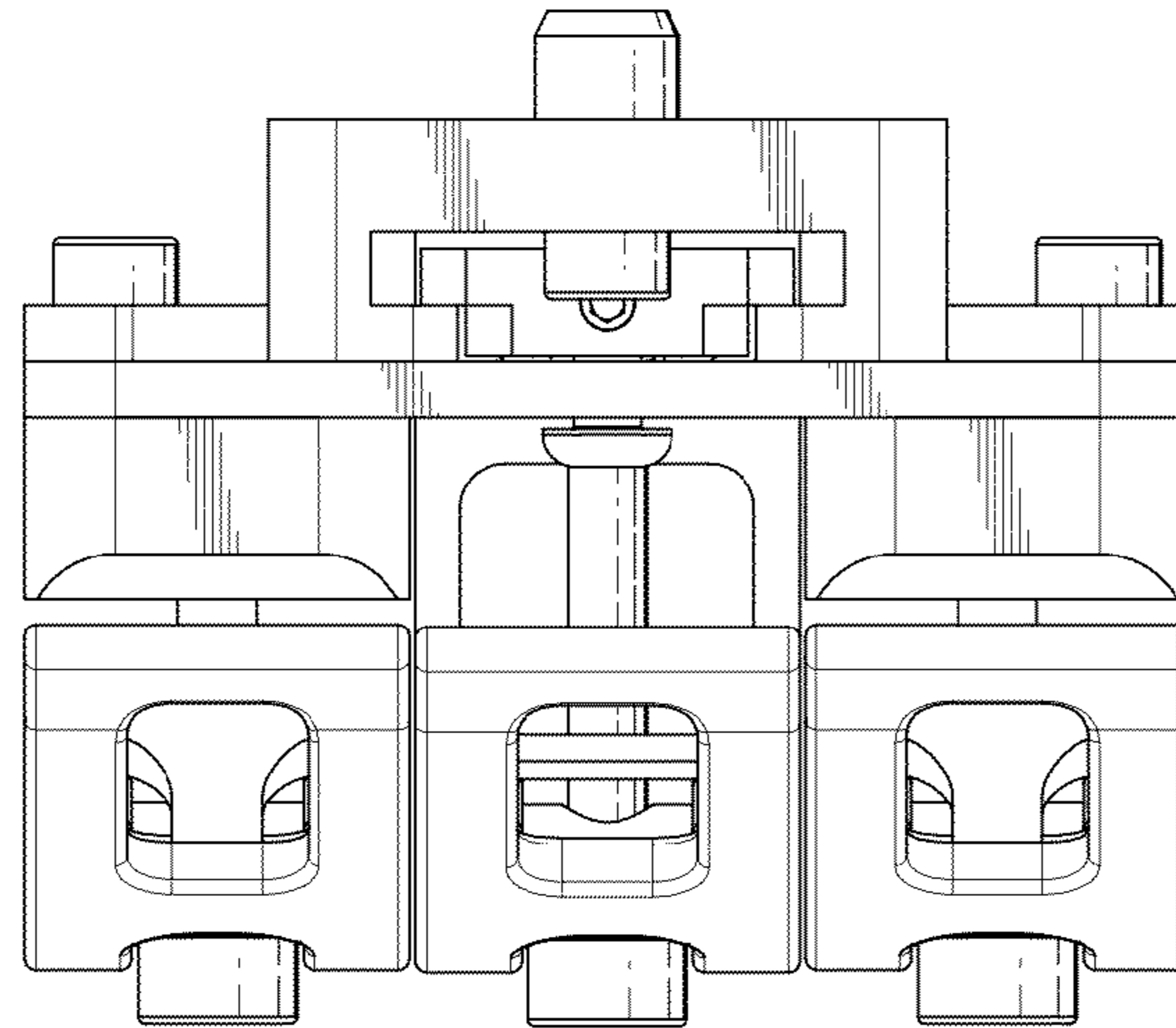
*FIG. 23*



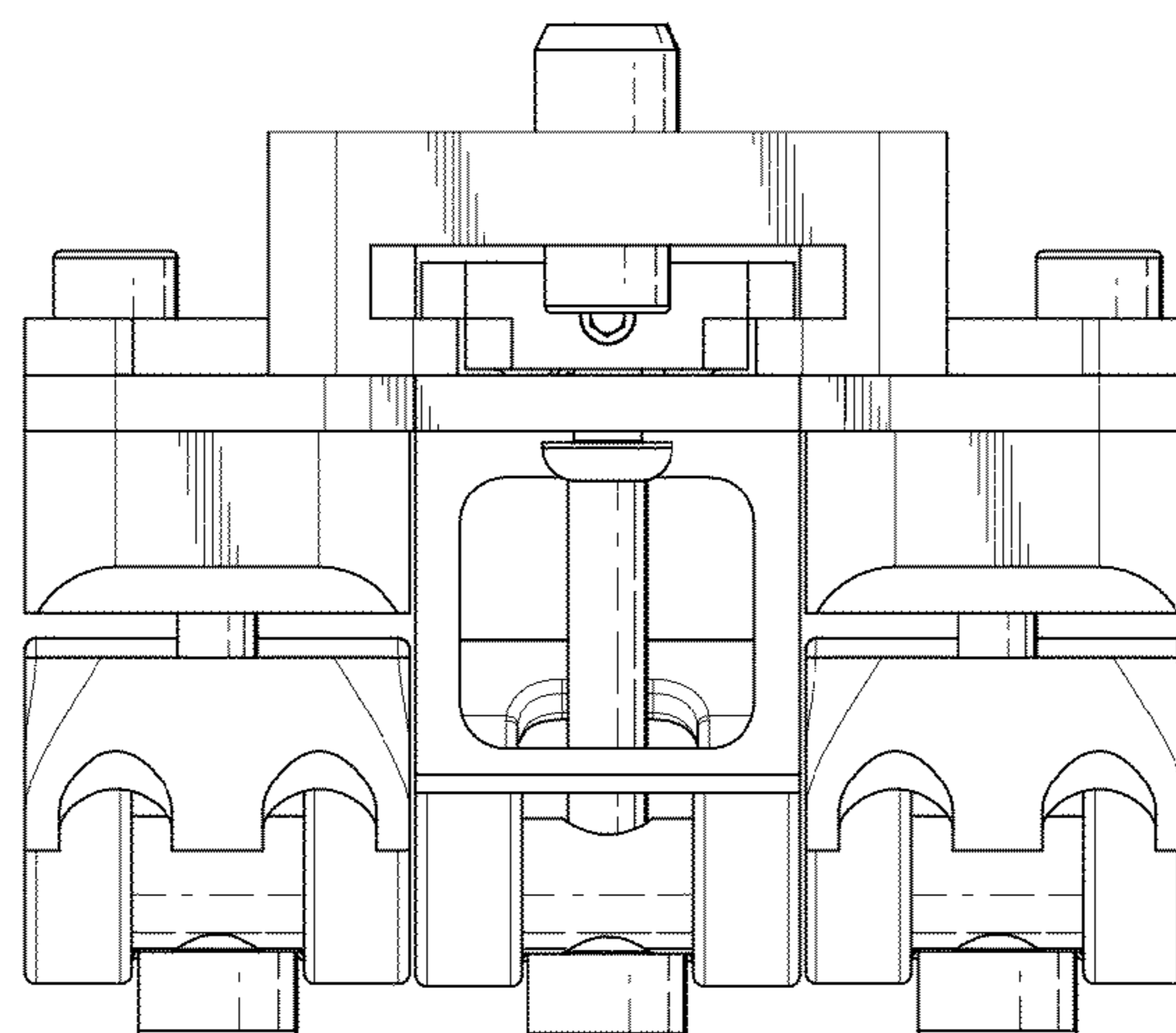
**FIG. 24**



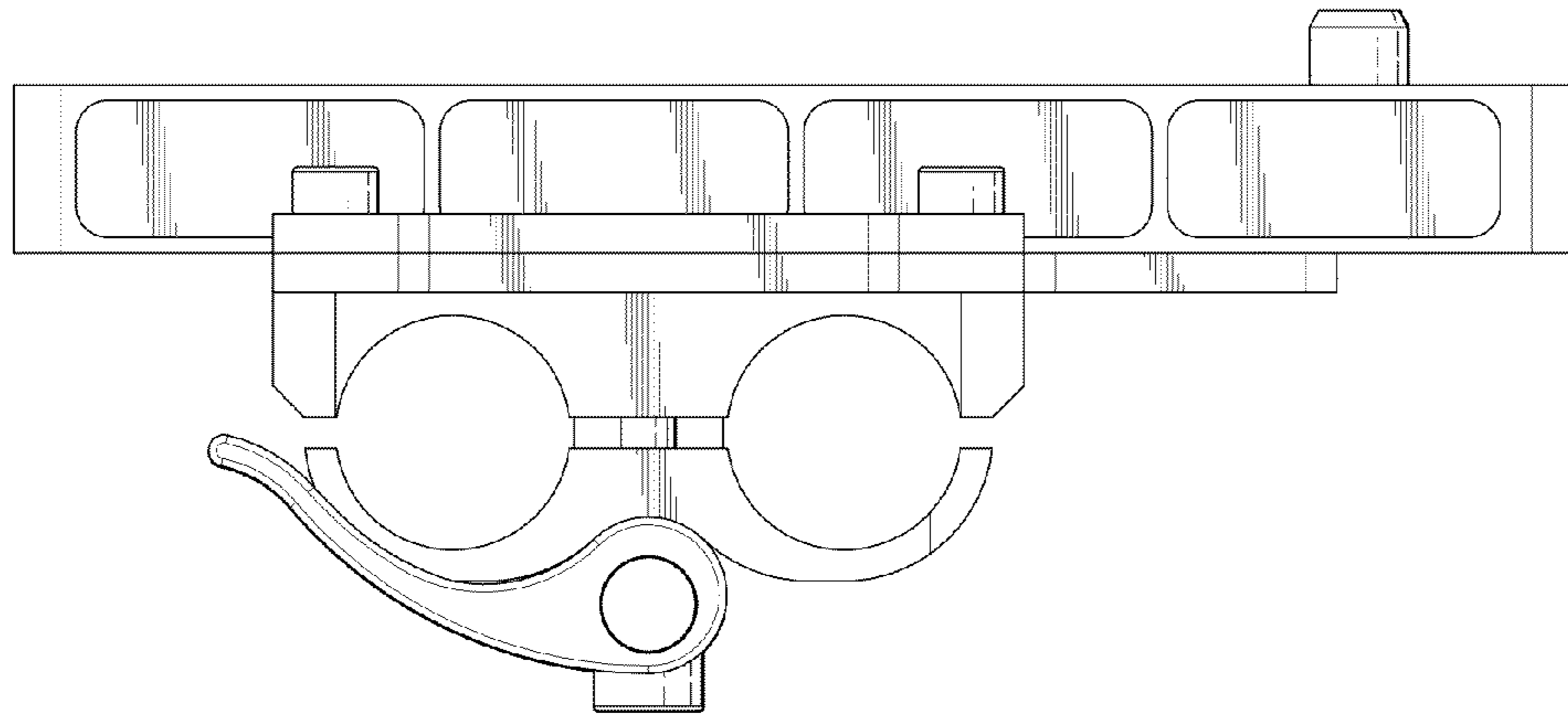
*FIG. 25*



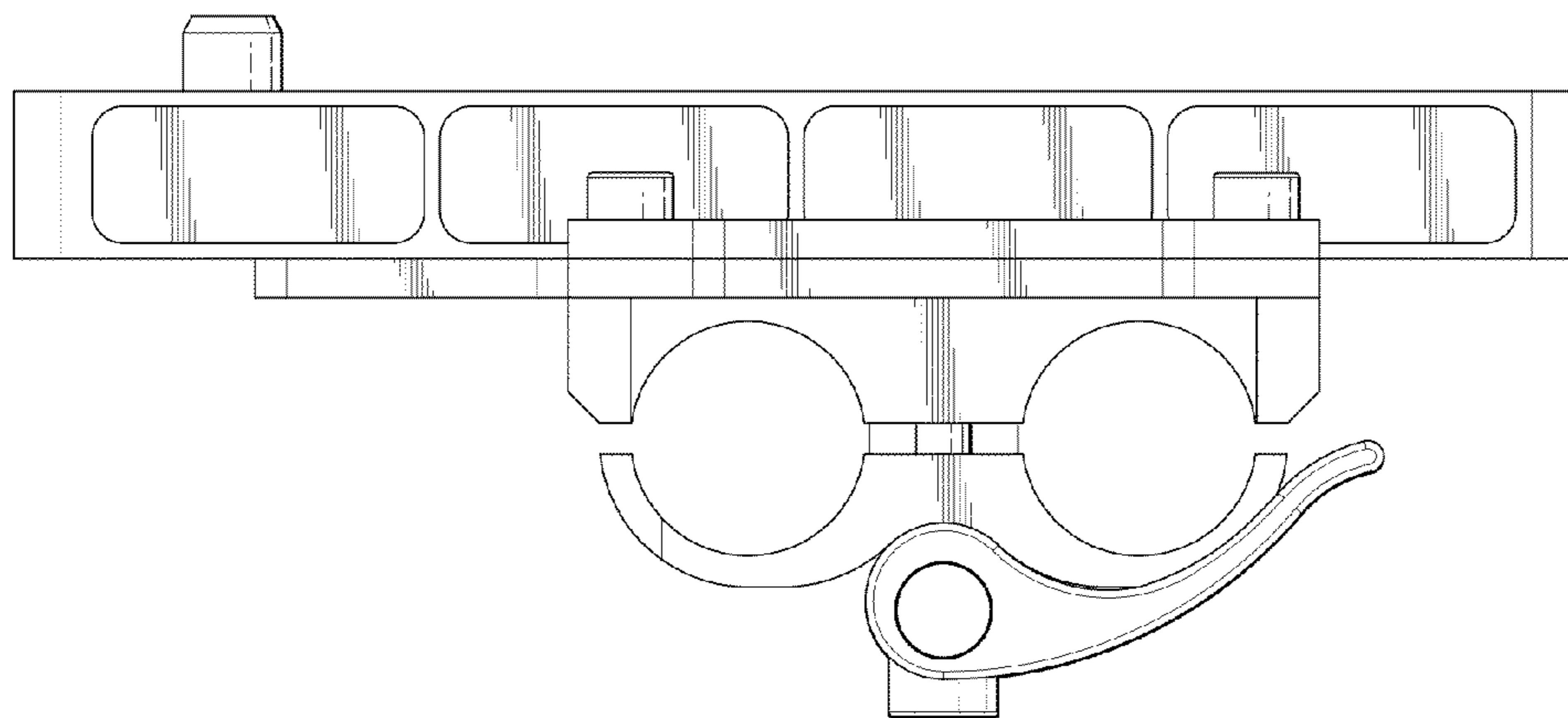
*FIG. 26*



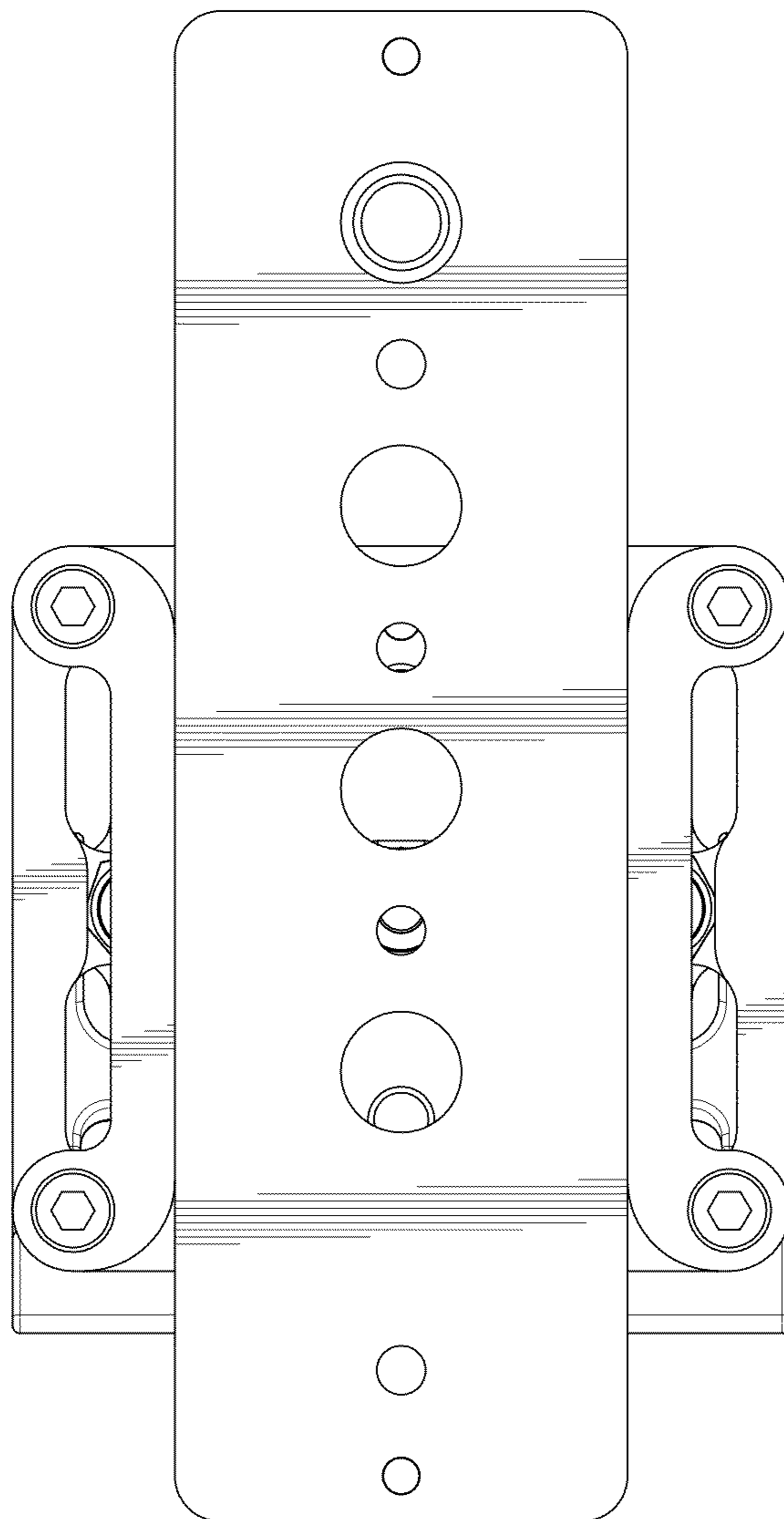
*FIG. 27*



*FIG. 28*

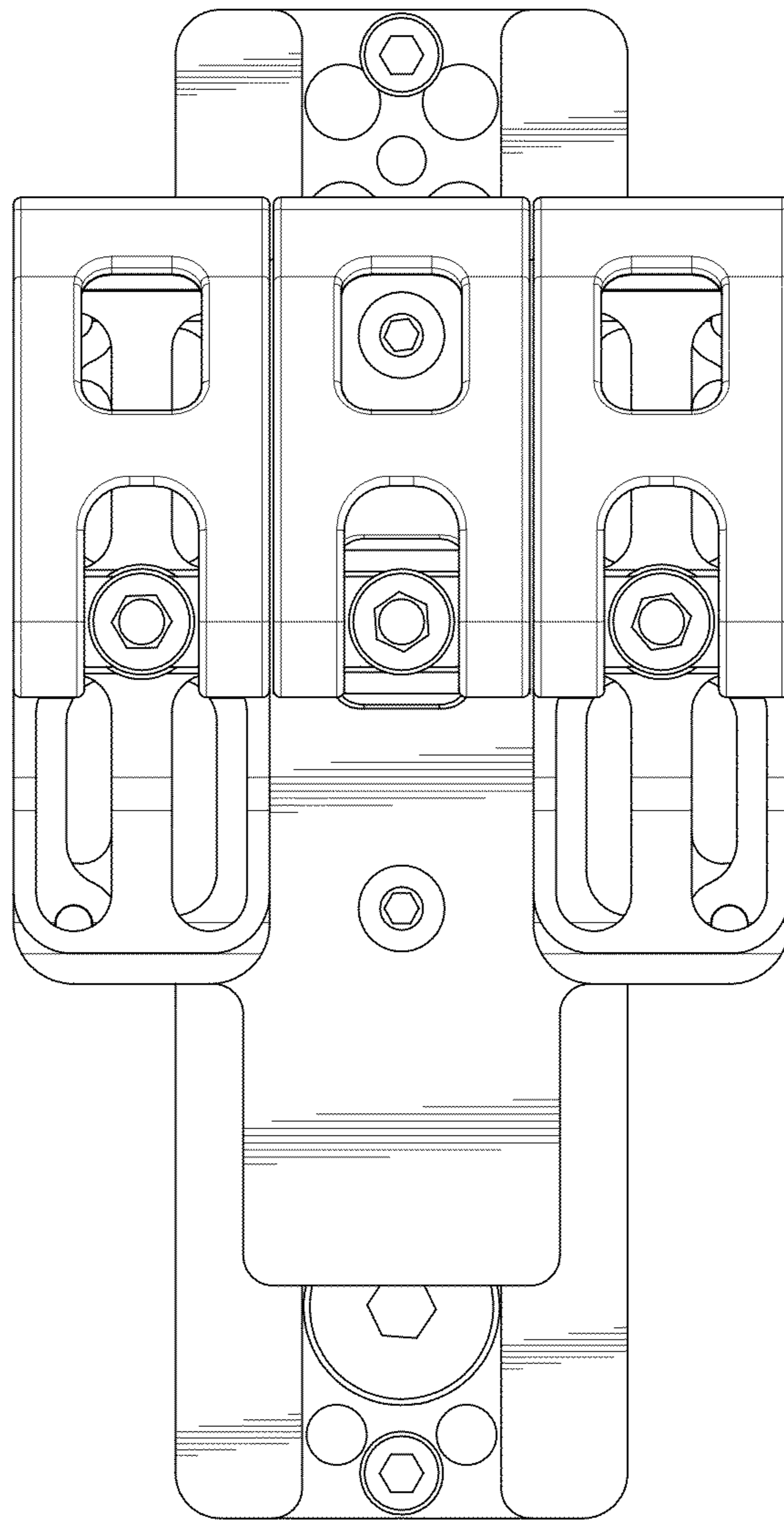


*FIG. 29*



*FIG. 30*





**FIG. 31**