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(12) **United States Design Patent** (10) **Patent No.: US D1,089,507 S**  
**Trpkovski et al.** (45) **Date of Patent: \*\* Aug. 19, 2025**

(54) **PROJECTILE LAUNCHER**

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(72) Inventors: **Paul Trpkovski**, Kailua Kona, HI (US);  
**Josh Hanzel**, Kailua Kona, HI (US)

(73) Assignee: **Ravin Crossbows, LLC**, Superior, WI (US)

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

(21) Appl. No.: **29/787,135**

(22) Filed: **Jun. 4, 2021**

(51) **LOC (15) Cl.** ..... **22-01**

(52) **U.S. Cl.**  
USPC ..... **D22/107**

(58) **Field of Classification Search**  
USPC ..... D21/567, 570, 571; D22/100, 102, 107,  
D22/199

(Continued)

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LLP

(57) **CLAIM**

The ornamental design for a projectile launcher, as shown and described.

**DESCRIPTION**

FIG. 1 is an isometric view of a first embodiment of the projectile launcher;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

FIG. 8 is another isometric view thereof;

FIG. 9 is an isometric view of a second embodiment of the projectile launcher;

FIG. 10 is a front view thereof;

FIG. 11 is a rear view thereof;

FIG. 12 is a right side view thereof;

FIG. 13 is a left side view thereof;

FIG. 14 is a top view thereof;

FIG. 15 is a bottom view thereof;

FIG. 16 is another isometric view thereof;

FIG. 17 is an isometric view of a third embodiment of the projectile launcher;

FIG. 18 is a front view thereof;

FIG. 19 is a rear view thereof;

FIG. 20 is a right side view thereof;

FIG. 21 is a left side view thereof;

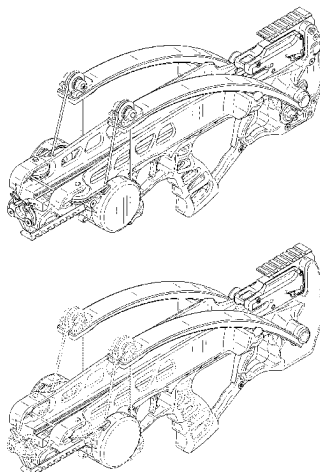
FIG. 22 is a top view thereof;

FIG. 23 is a bottom view thereof; and,

FIG. 24 is another isometric view thereof.

The evenly spaced dashed lines in the Figures depict portions of the projectile launcher that form no part of the claimed design.

(Continued)



The dot dash lines represent a boundary of the claimed design and form no part of the claimed design.

### 1 Claim, 24 Drawing Sheets

#### (58) Field of Classification Search

CPC ..... F41B 5/1469; F41B 5/12; F41B 5/123;  
F41B 5/10; F41B 5/0094

See application file for complete search history.

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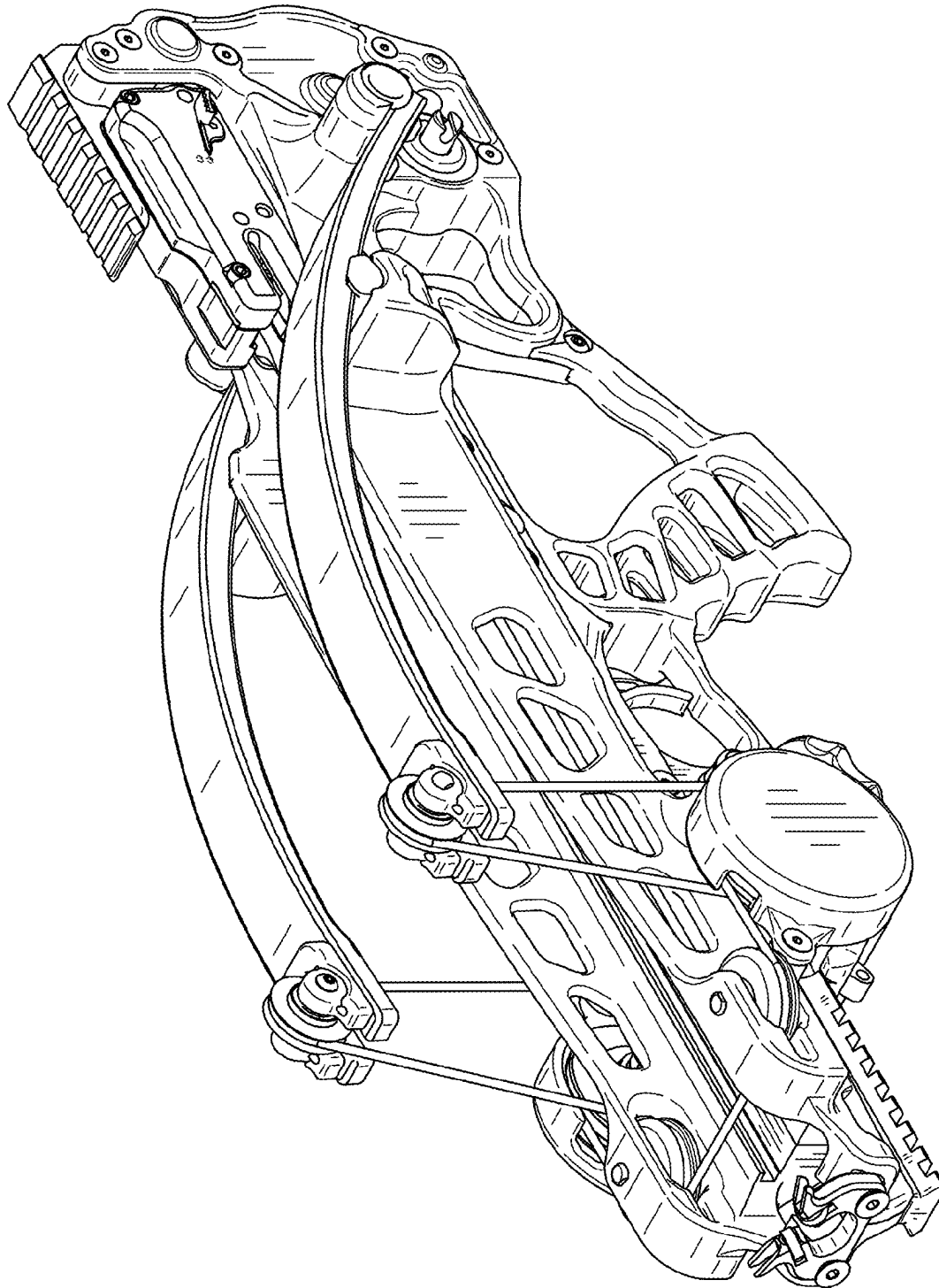


FIG. 1

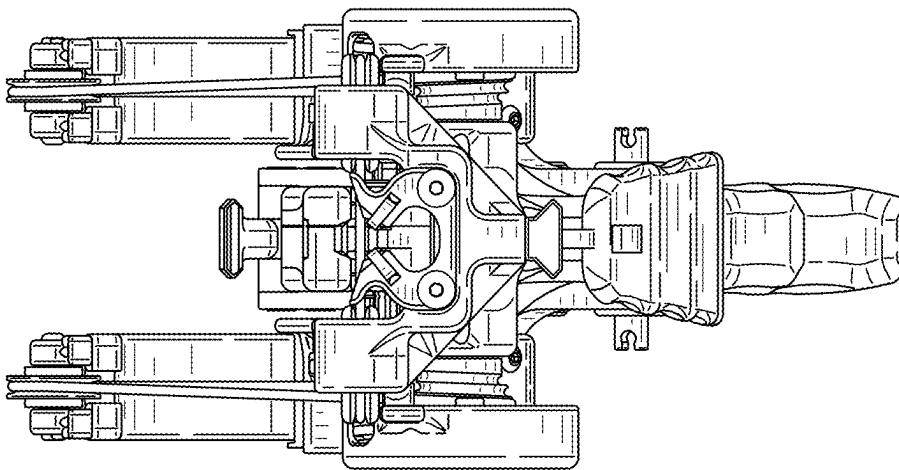


FIG. 2

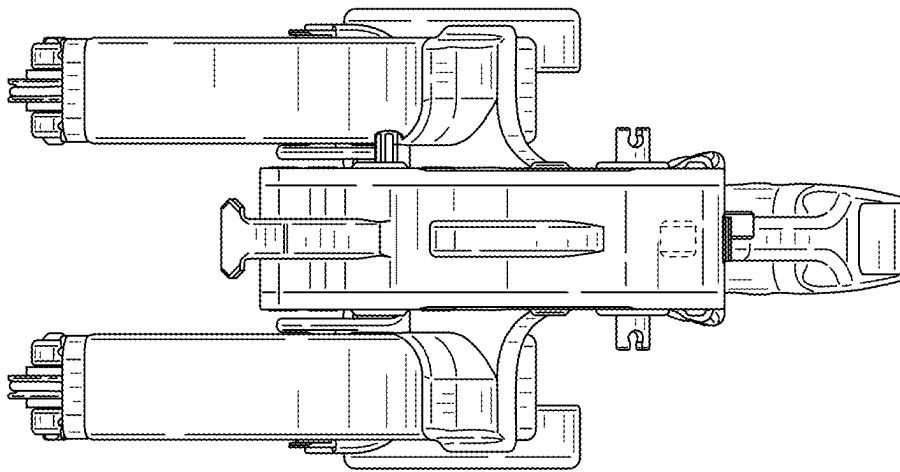


FIG. 3

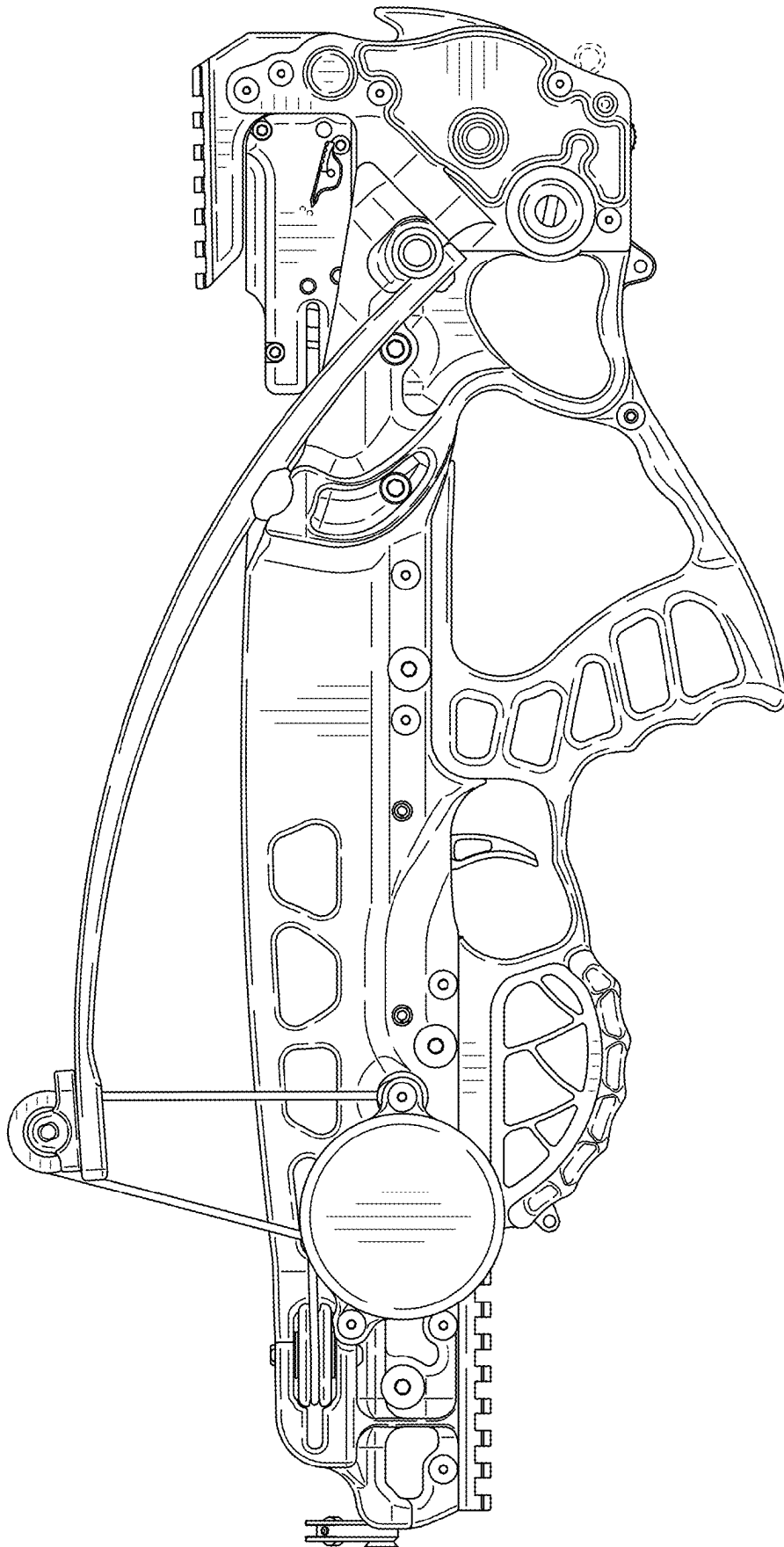


FIG. 4

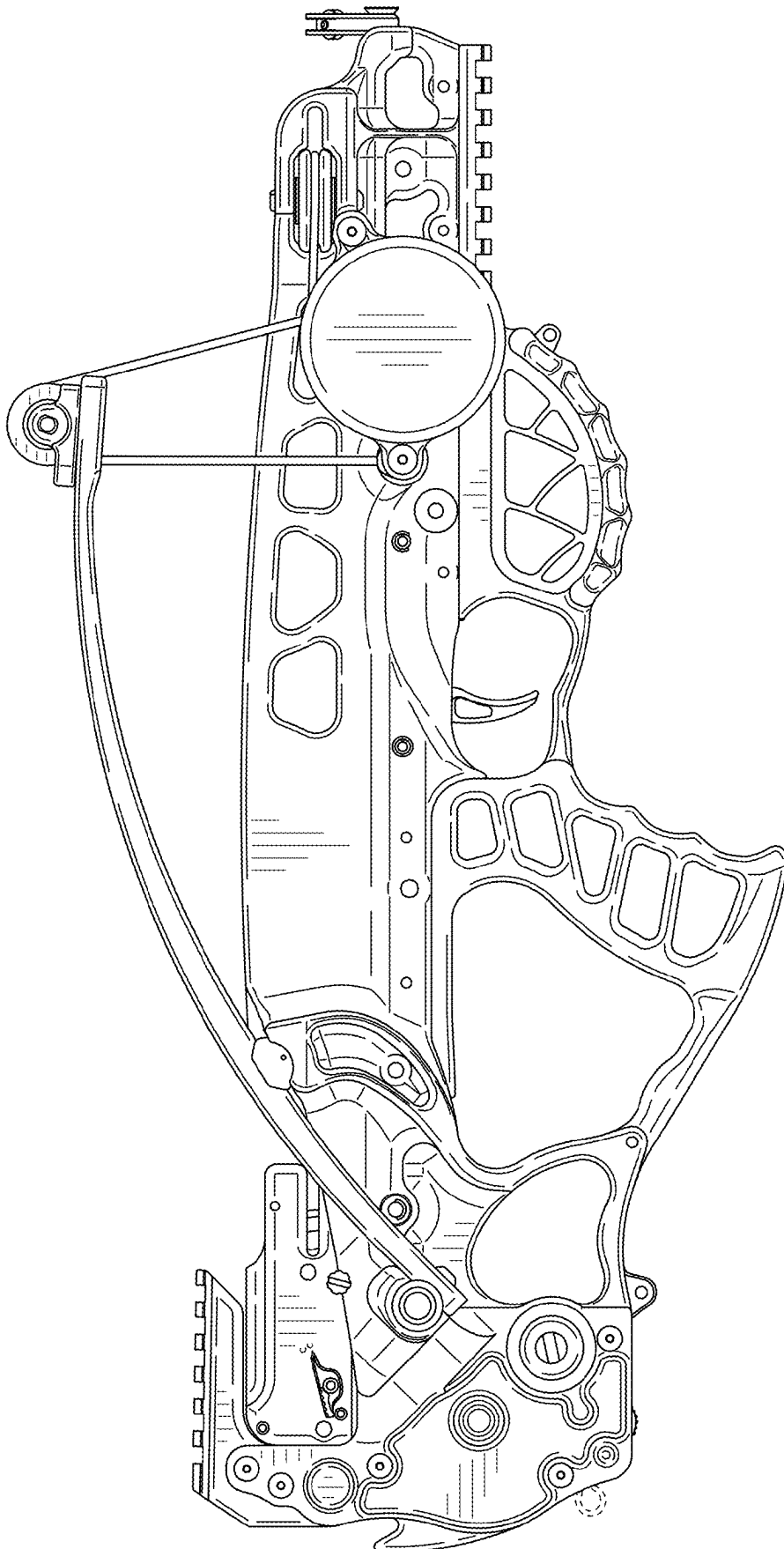
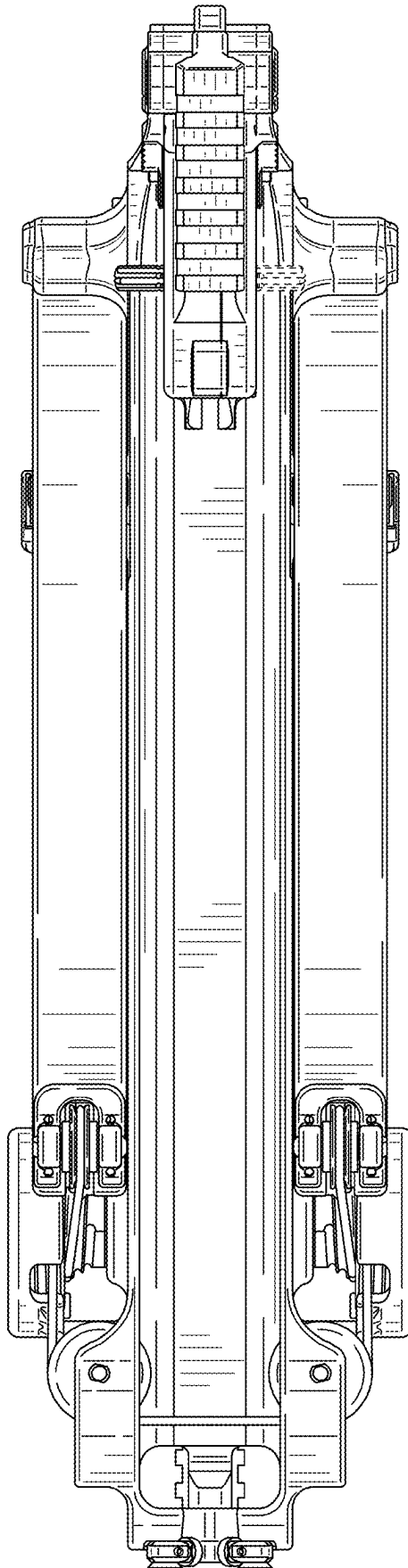


FIG. 5



**FIG. 6**



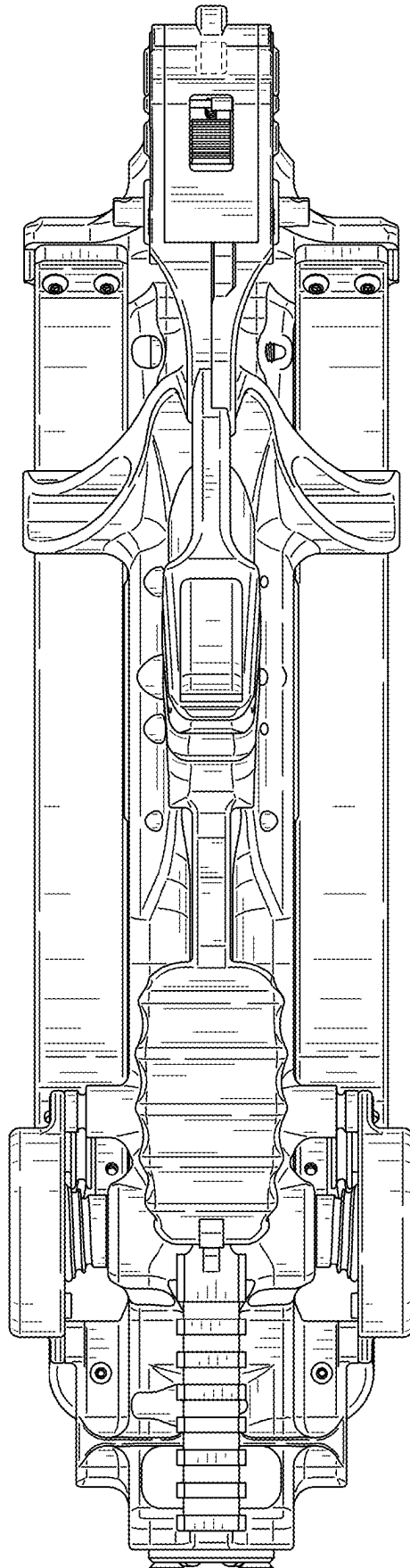


FIG. 7

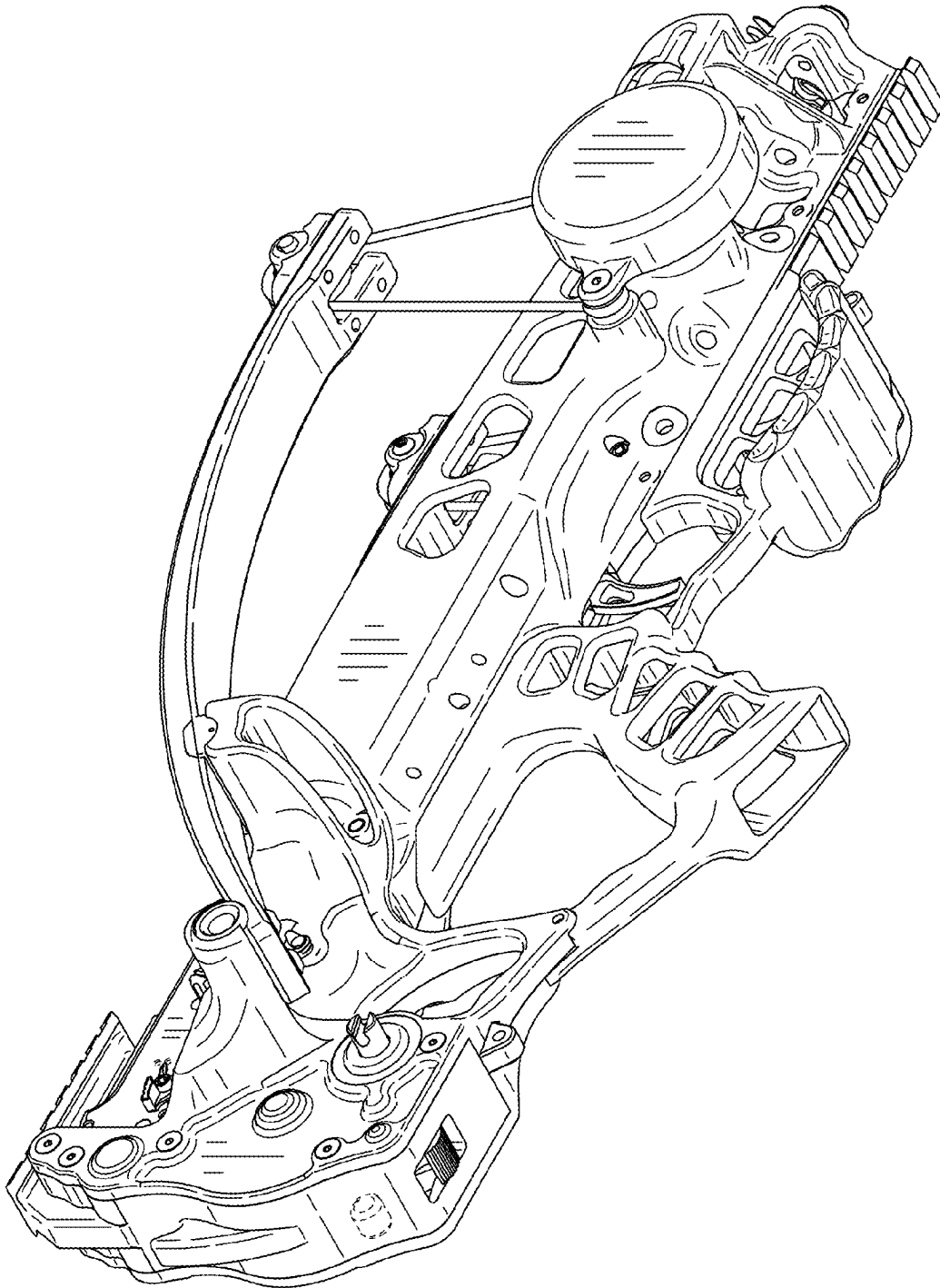


FIG. 8

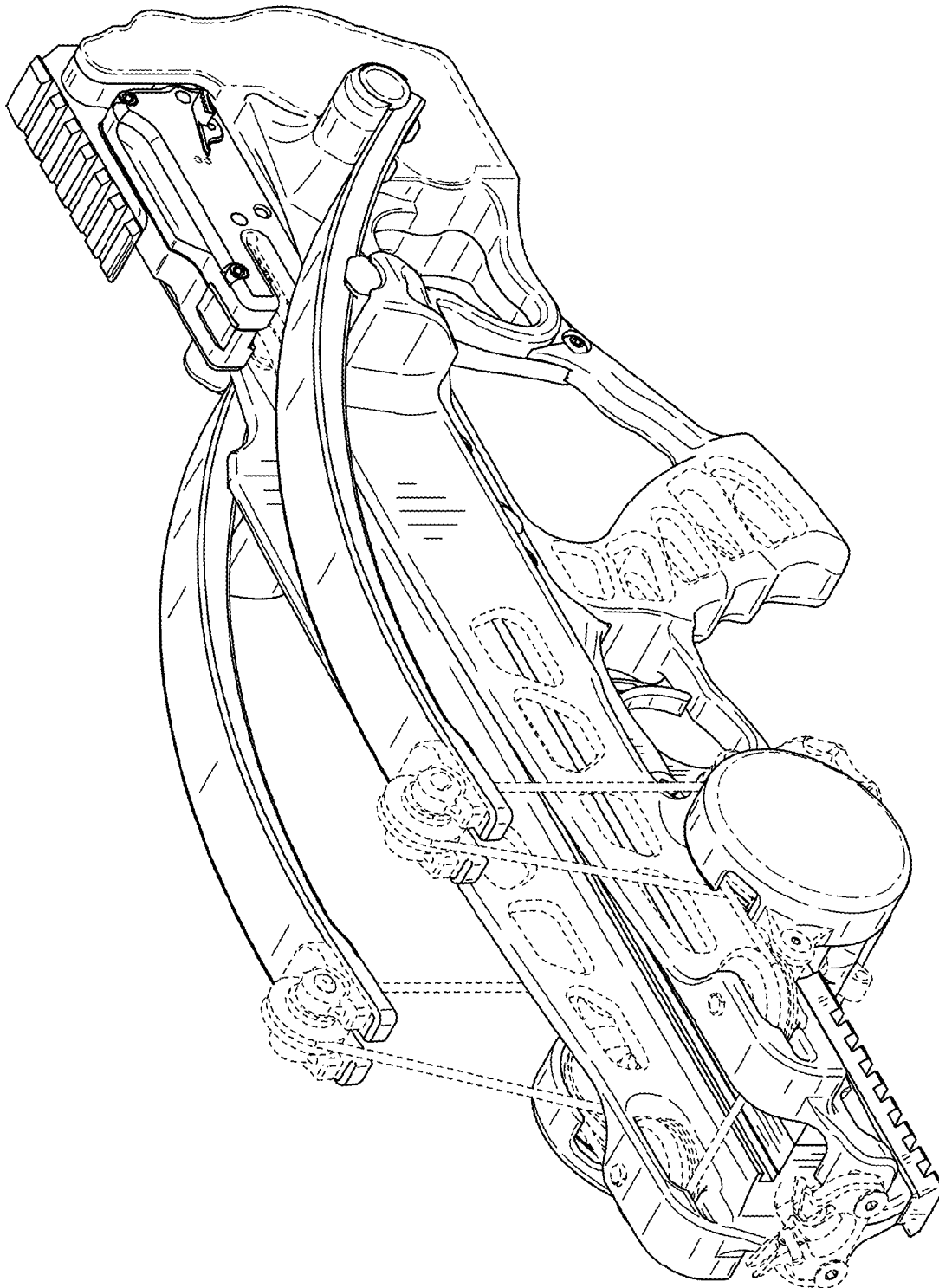


FIG. 9

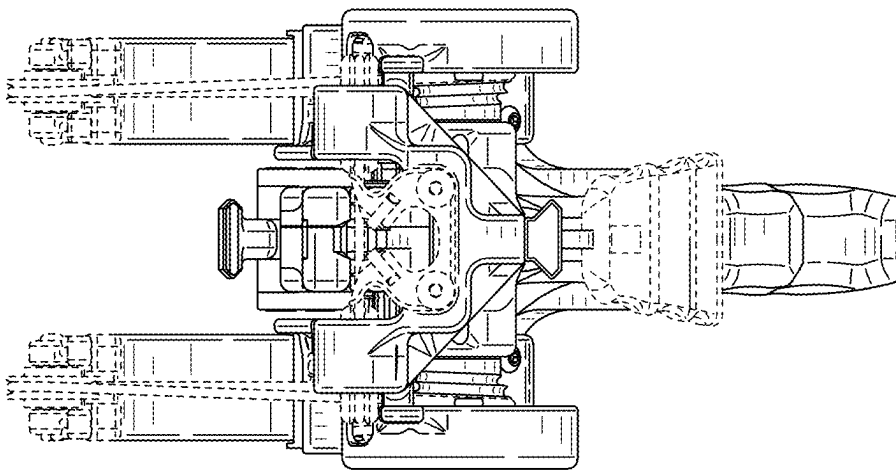


FIG. 10

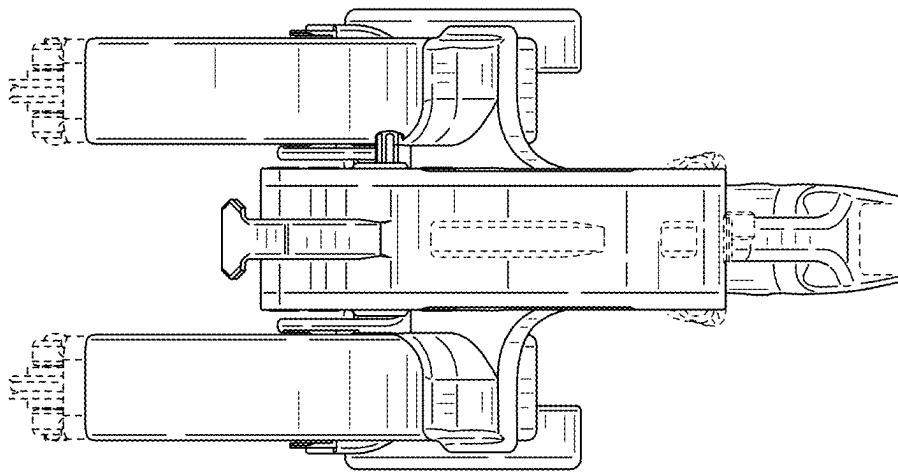


FIG. 11

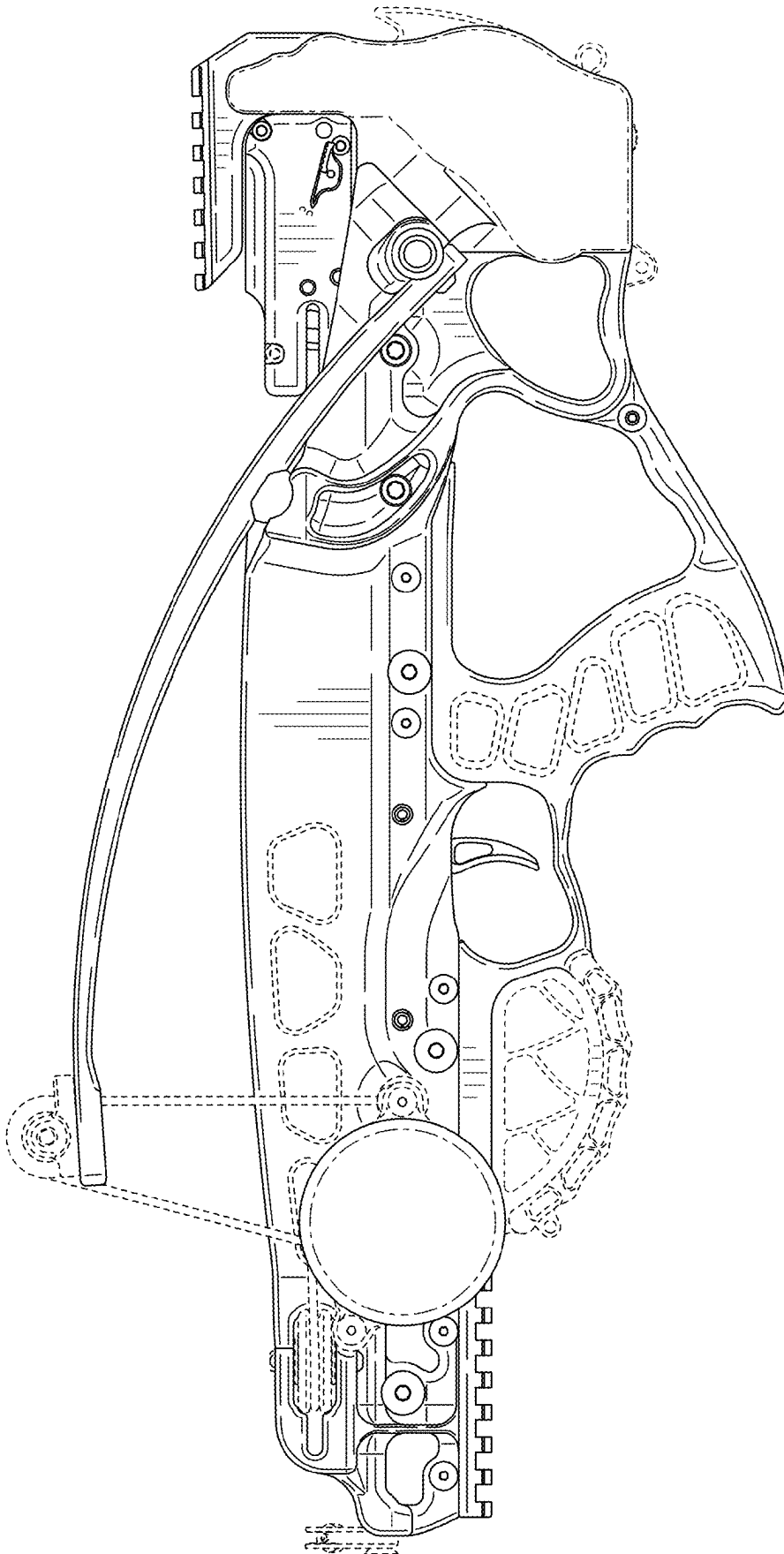


FIG. 12

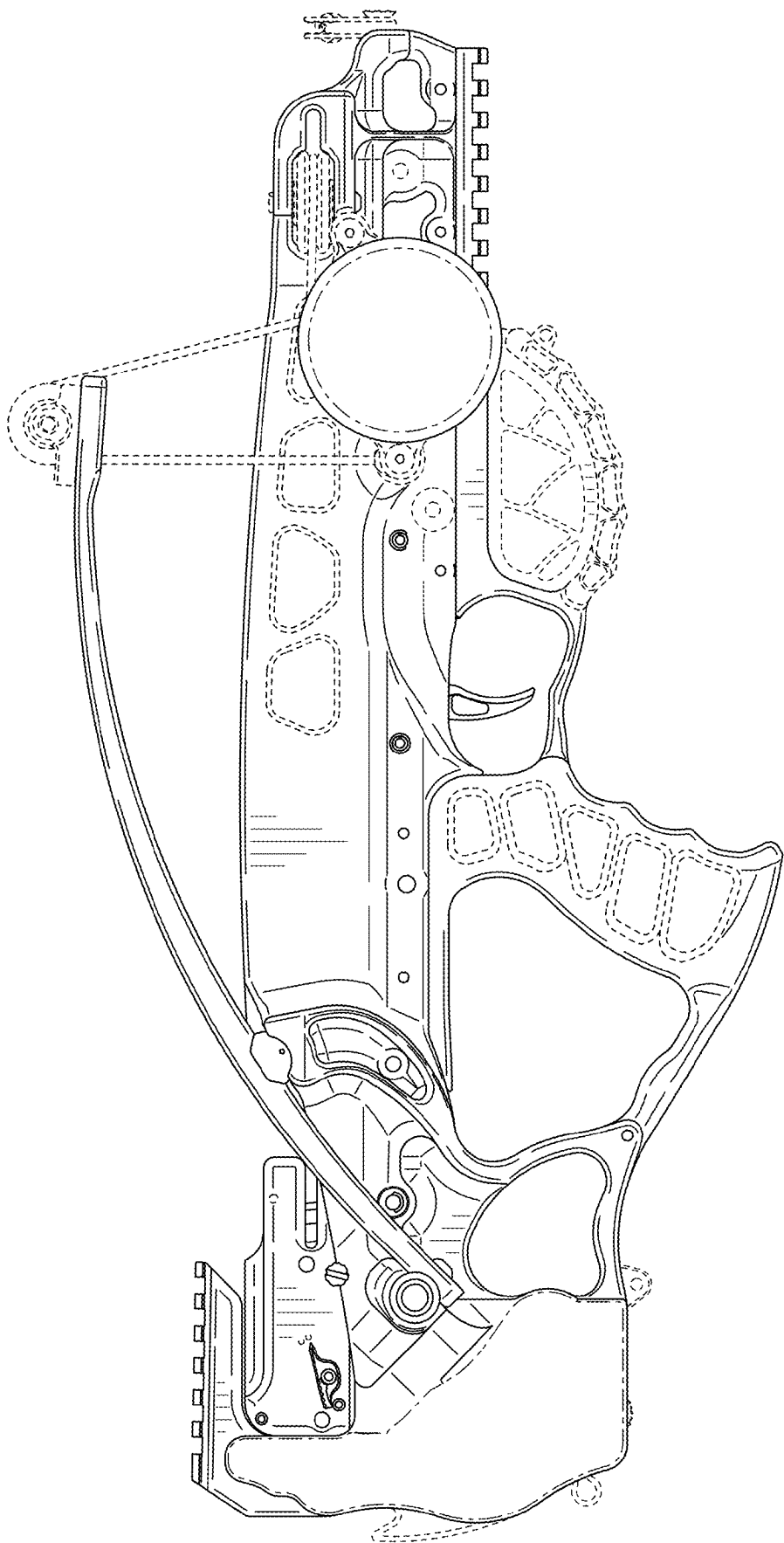


FIG. 13

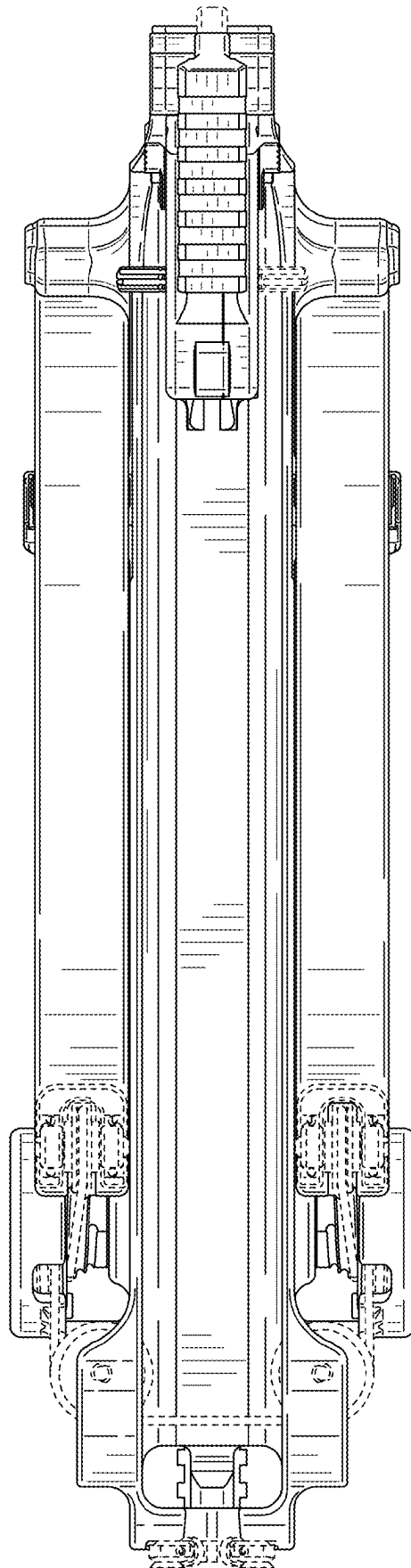


FIG. 14



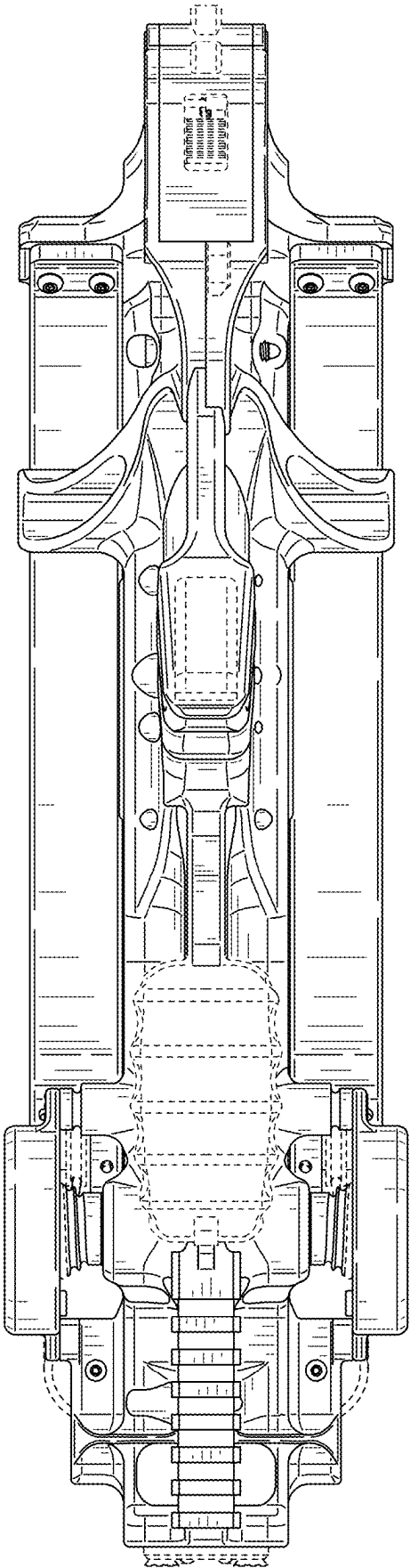


FIG. 15

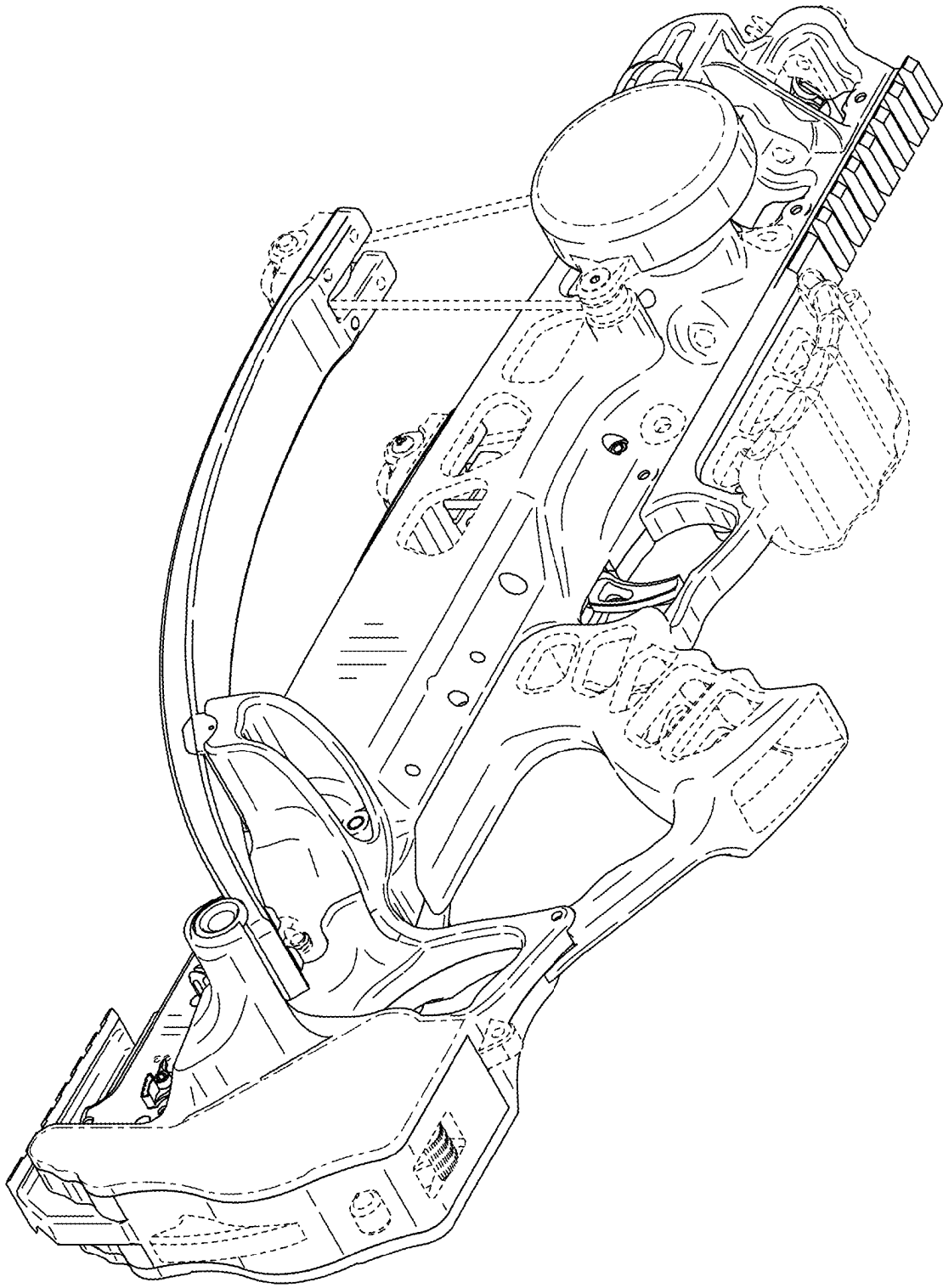


FIG. 16

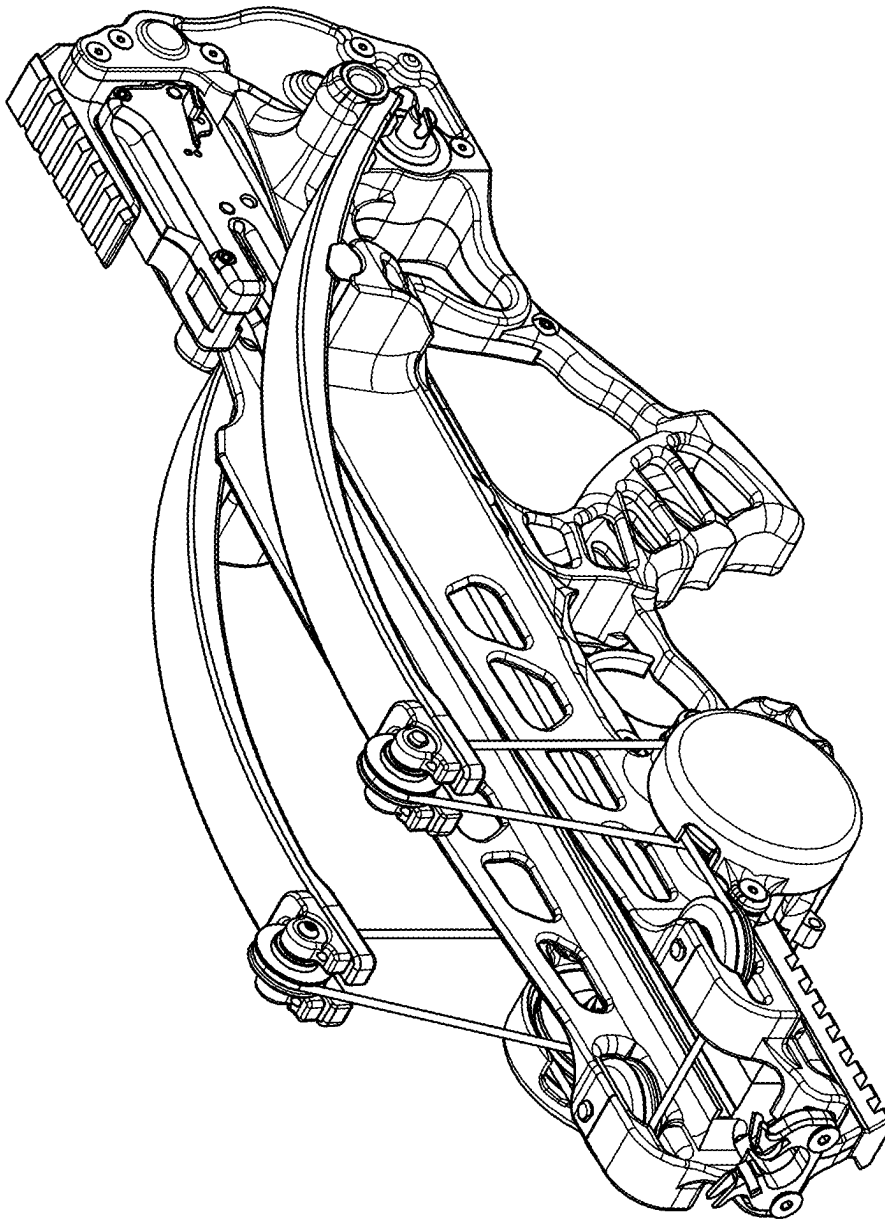


FIG. 17

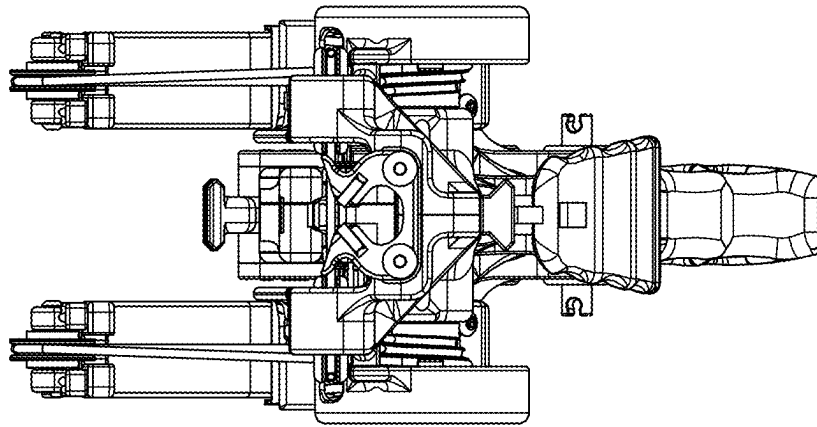


FIG. 18

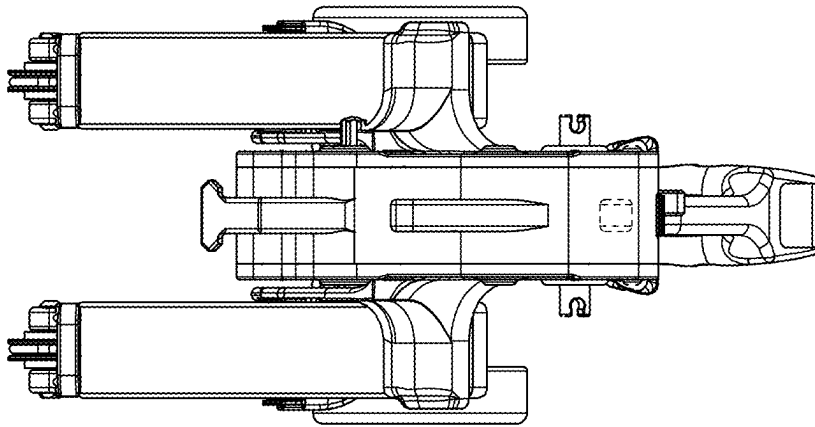


FIG. 19

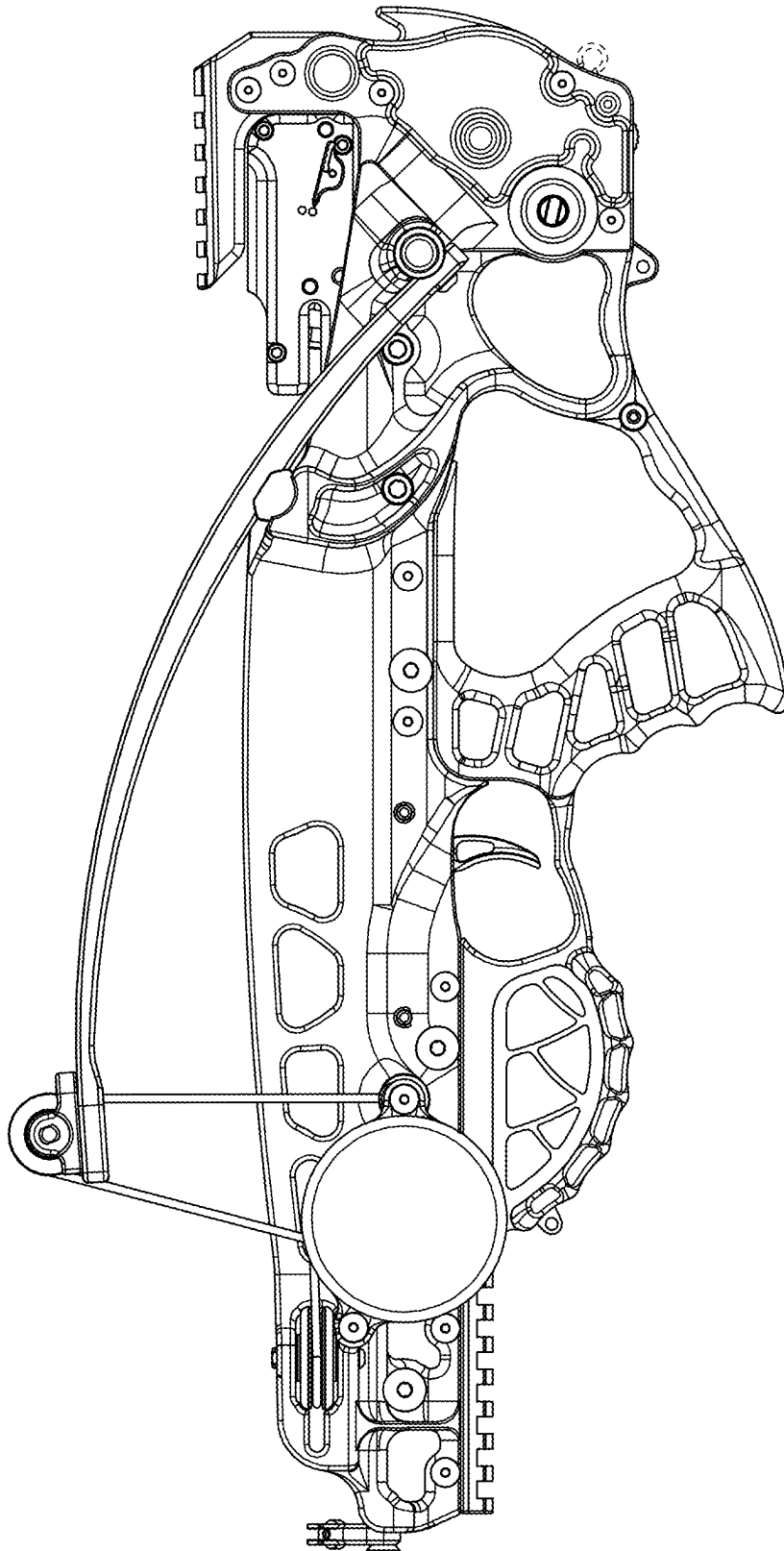


FIG. 20

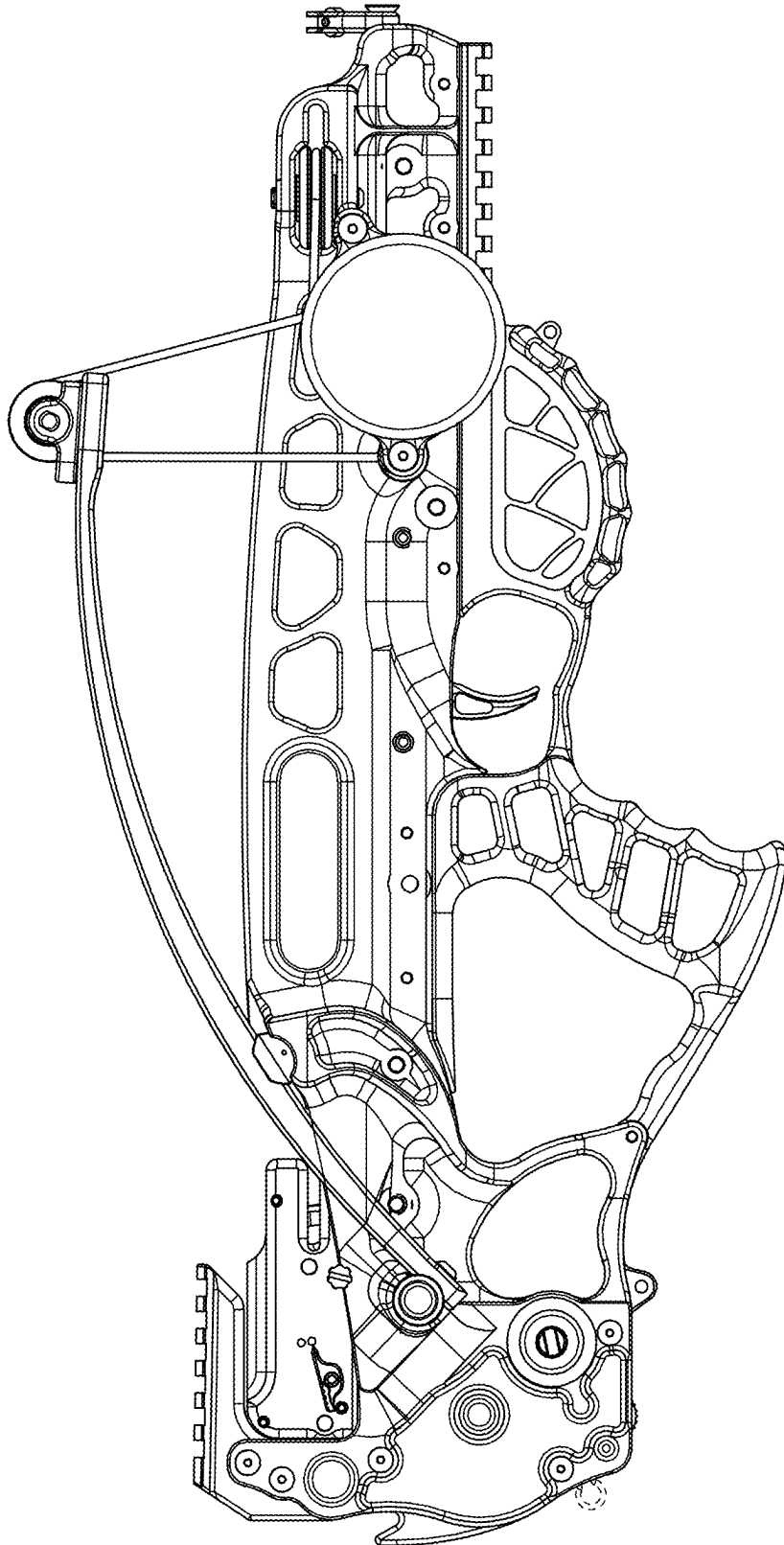


FIG. 21

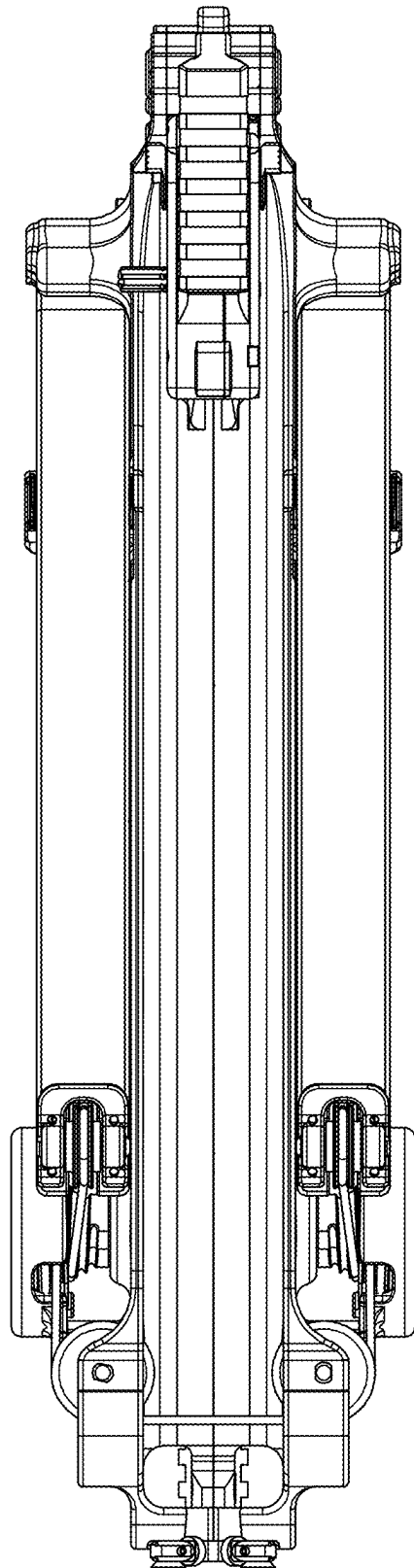


FIG. 22



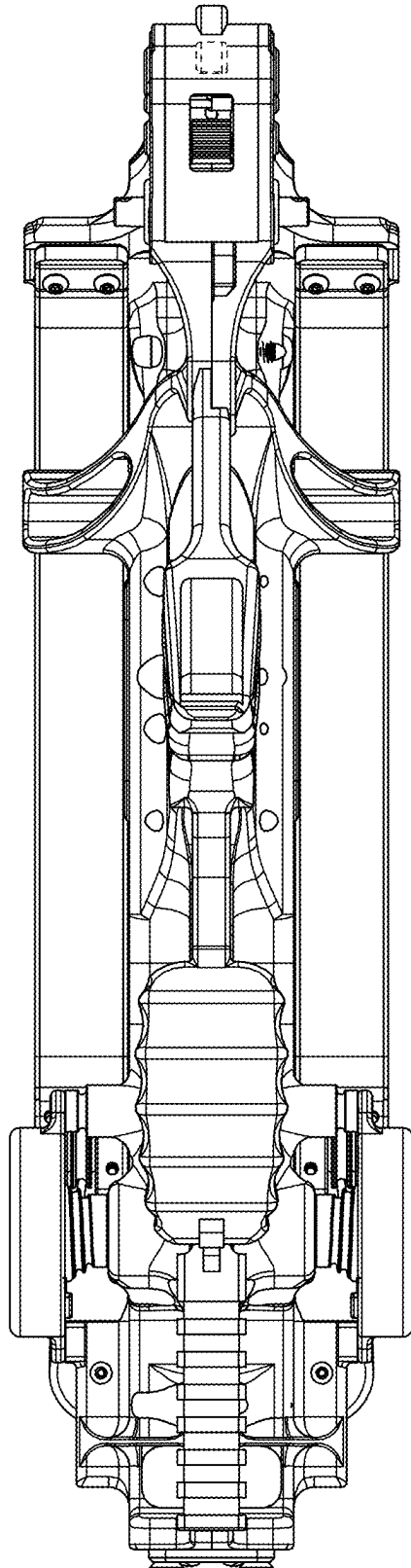


FIG. 23

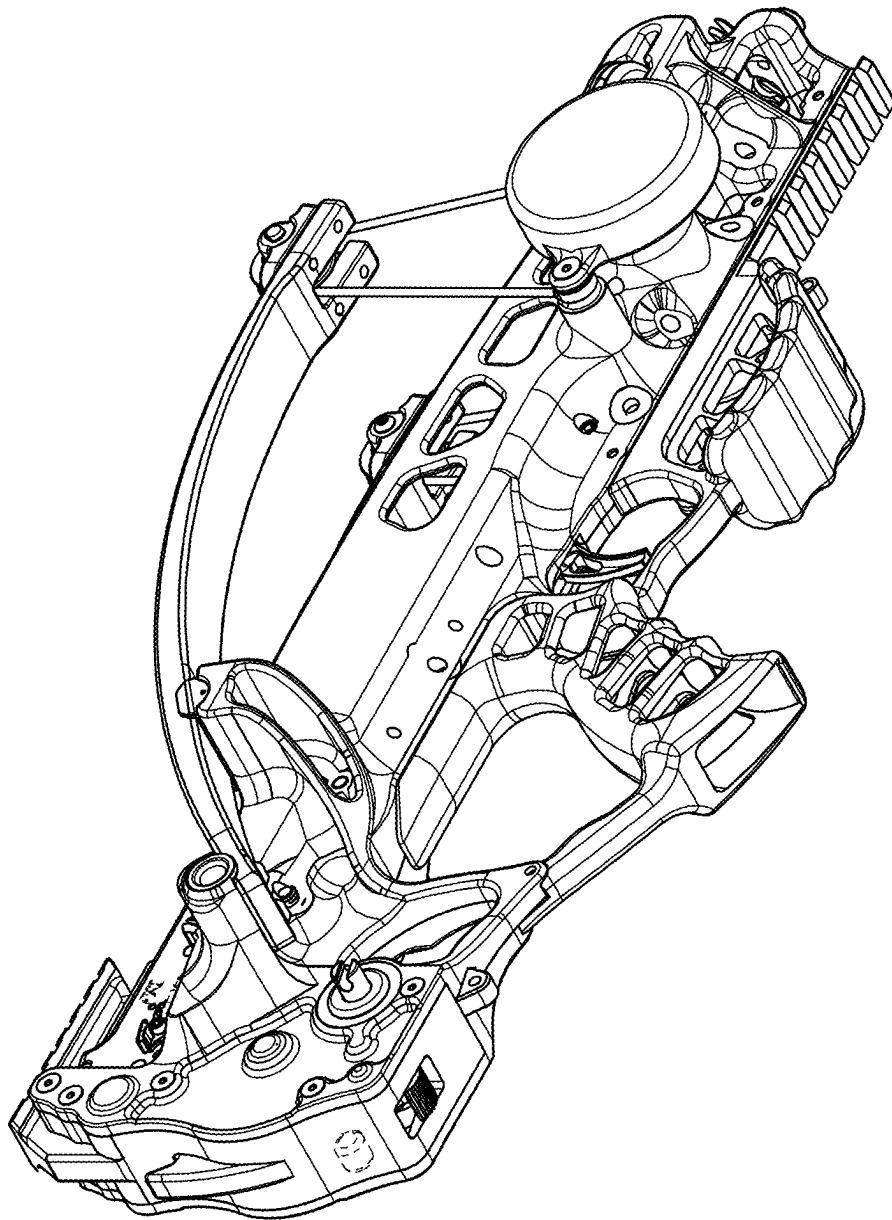


FIG. 24