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

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(54) **MANIPULATOR FOR ROBOT**

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

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Jul. 18, 2017 (JP) 2017-015412

(51) **LOC (11) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**

(58) **Field of Classification Search**

USPC D15/199; D21/369, 578-583, 621, 622

CPC B25J 15/10; B25J 15/086; B25J 15/0009;
Y10S 901/38; Y10S 901/39

See application file for complete search history.

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Primary Examiner — Patricia A Palasik

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett PC

(57) **CLAIM**

The ornamental design for a manipulator for robot, as shown and described.

DESCRIPTION

FIG. 1 is a rear perspective view of the rear, right, and top sides of a manipulator for robot showing a first embodiment of our new design;

FIG. 2 is a front perspective view of the front, right, and bottom sides thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a front side view showing a state where a hinge angle is changed;

FIG. 10 is a right side view showing a state where a hinge angle is changed;

FIG. 11 is a front perspective view of the front, right, and bottom sides of a manipulator for robot showing a second embodiment of our new design;

FIG. 12 is a rear perspective view of the rear, right, and top sides thereof;

FIG. 13 is a front view thereof;

FIG. 14 is a rear view thereof;

FIG. 15 is a left side view thereof;

FIG. 16 is a right side view thereof;

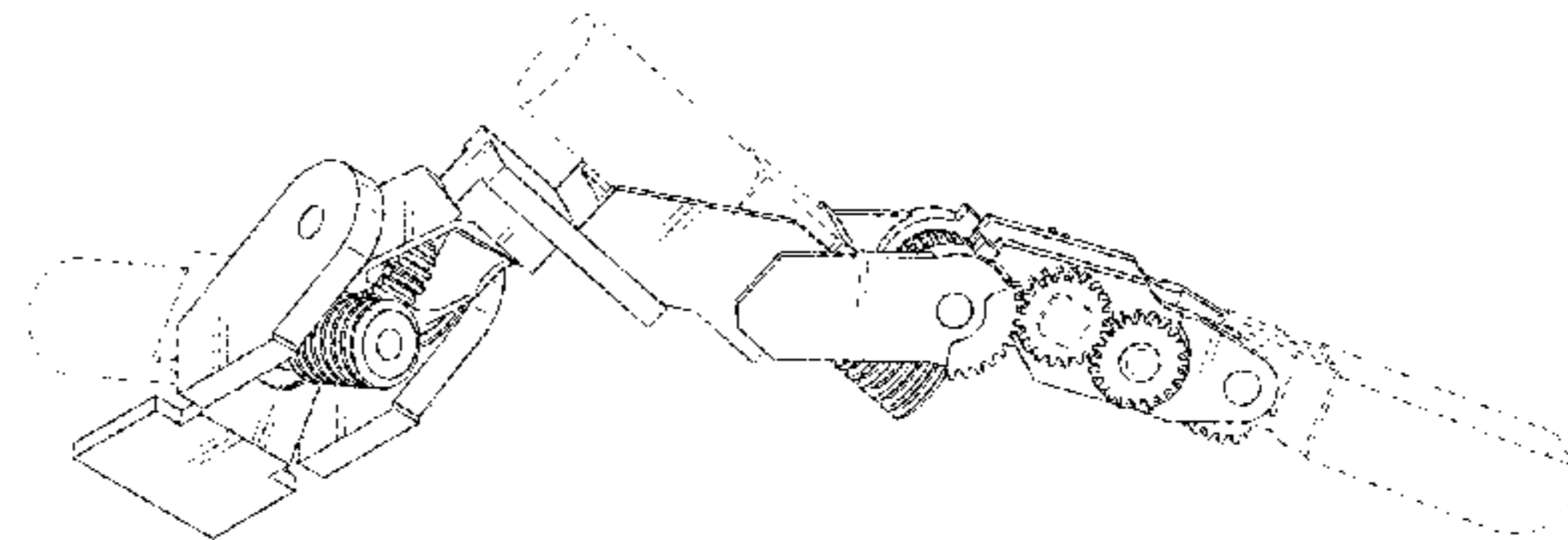
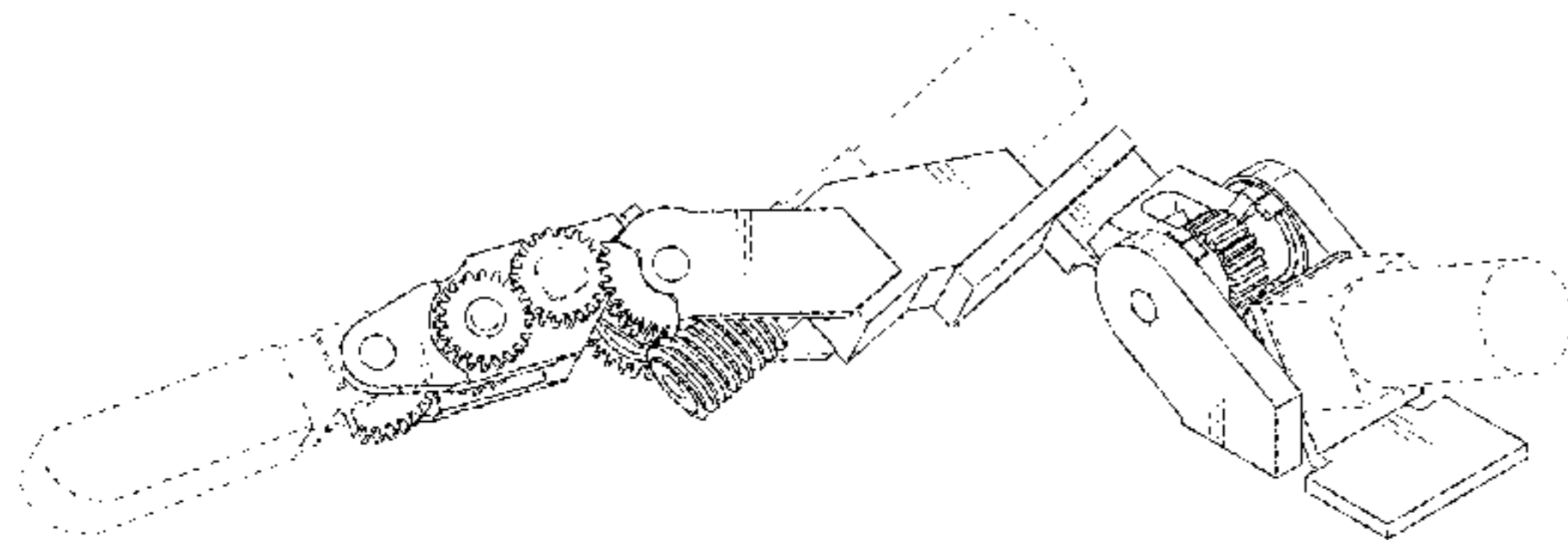
FIG. 17 is a top plan view thereof;

FIG. 18 is a bottom plan view thereof; and,

FIG. 19 is a front side view showing a state where a hinge angle is changed.

The broken lines shown represent unclaimed subject matter of the manipulator for robot or environments and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



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Fig. 1

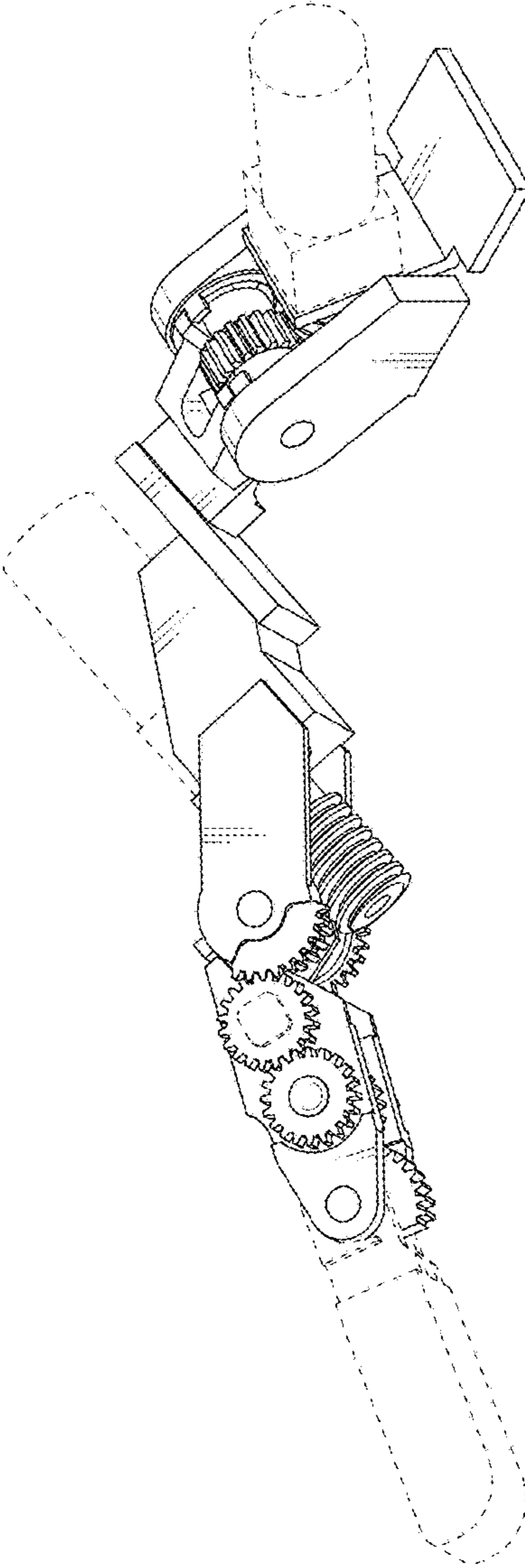


Fig. 2

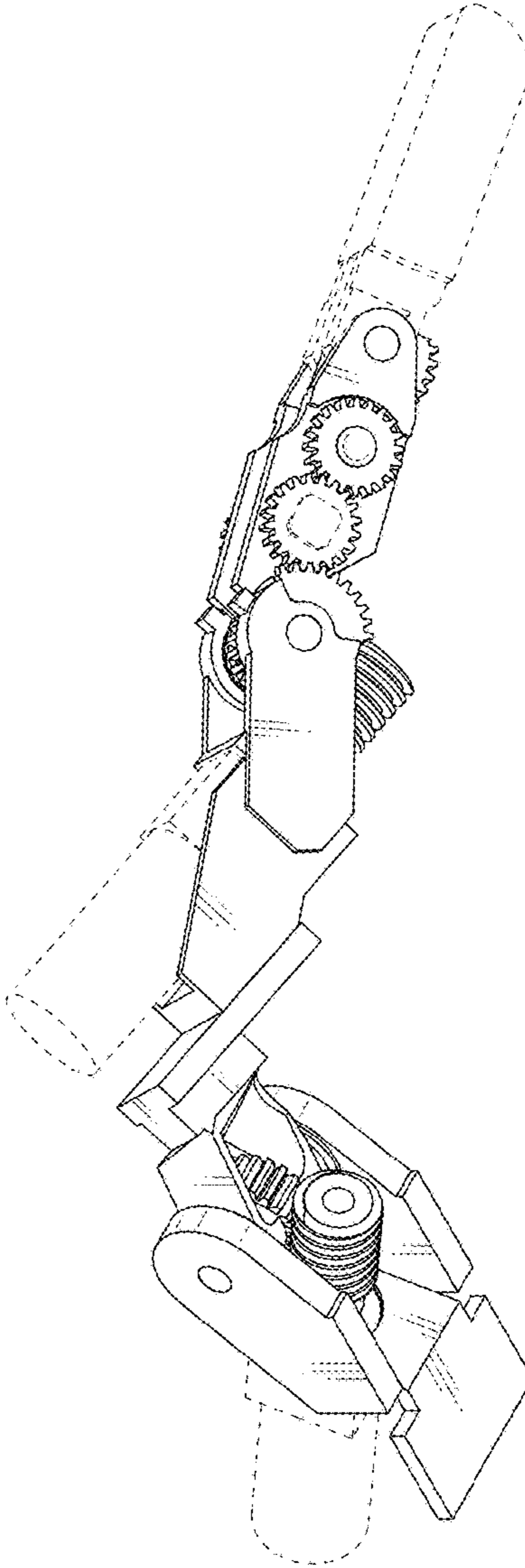


Fig. 3

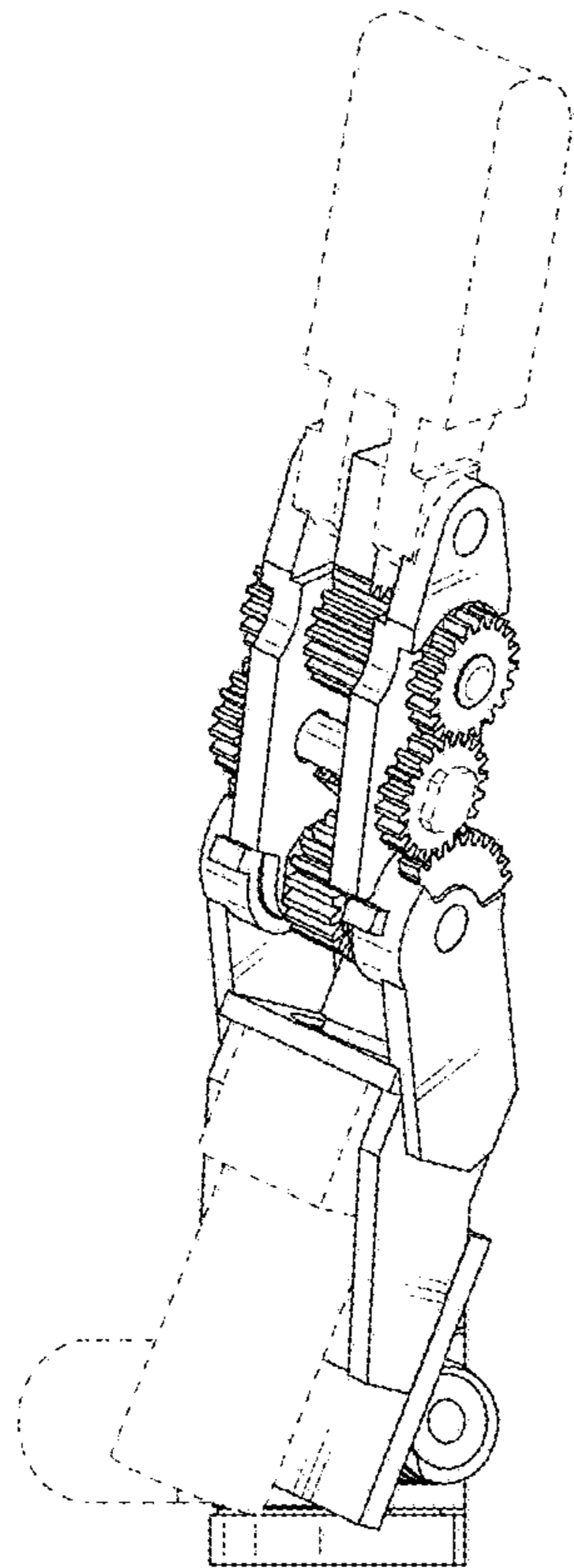


Fig. 4

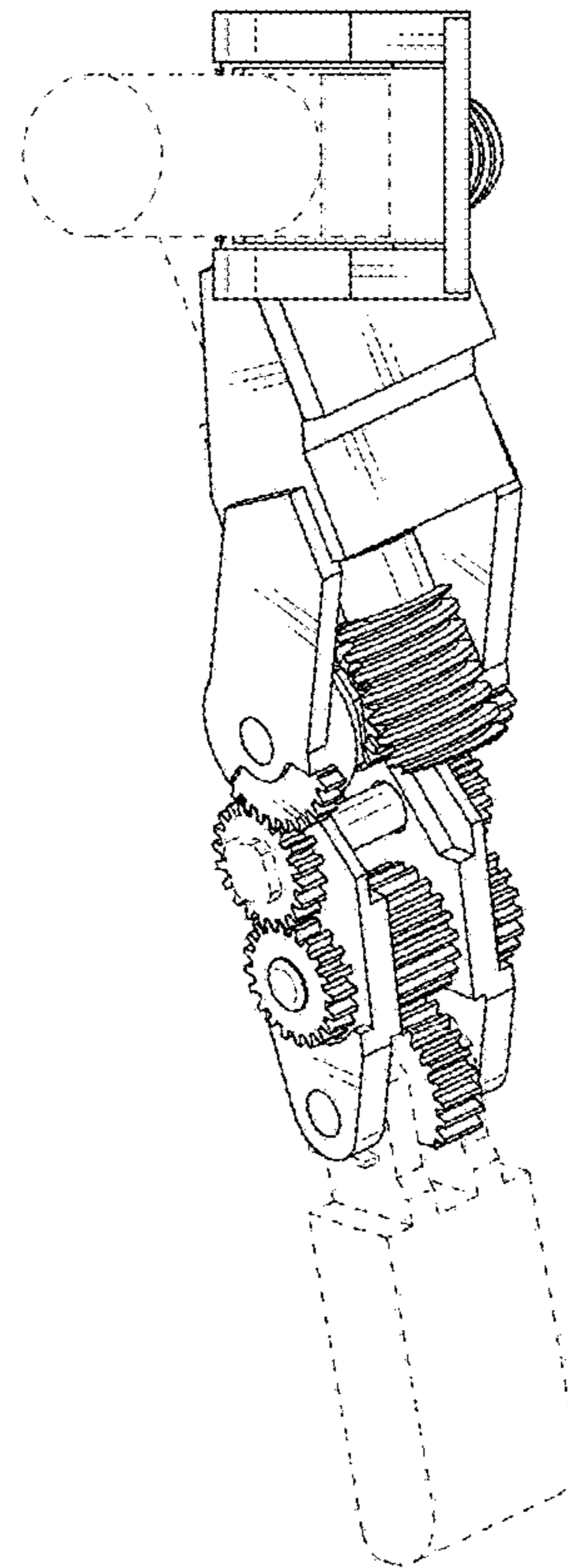


Fig. 5

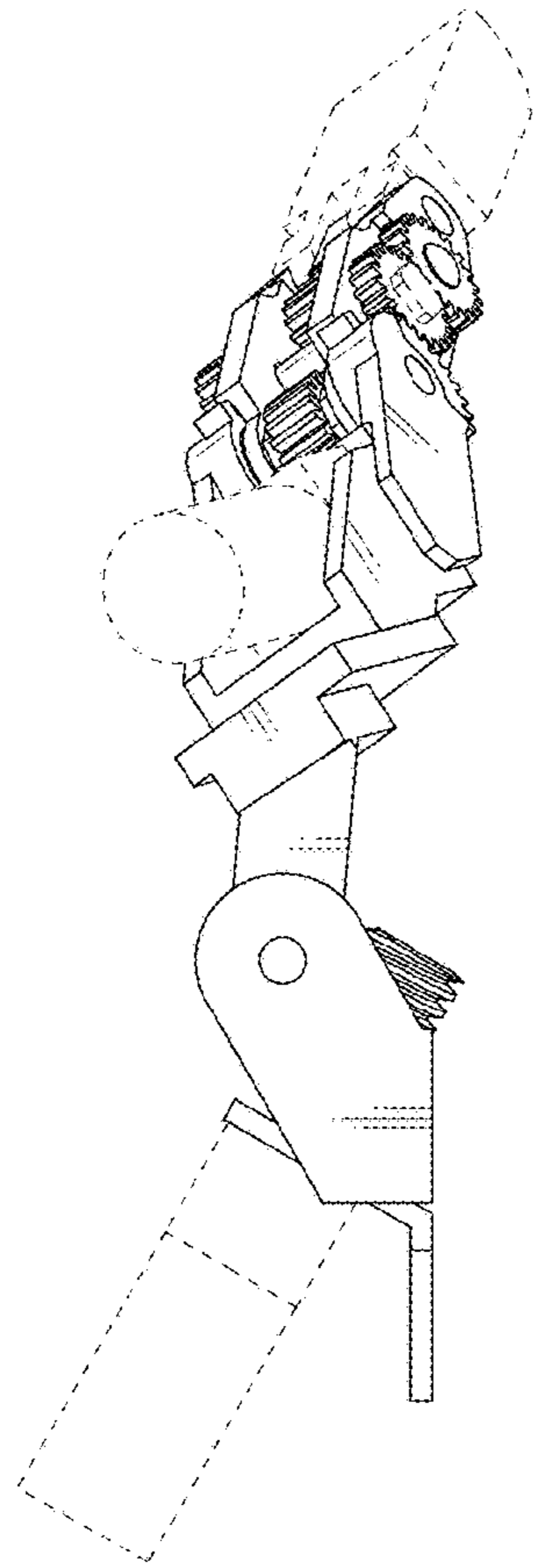


Fig. 6

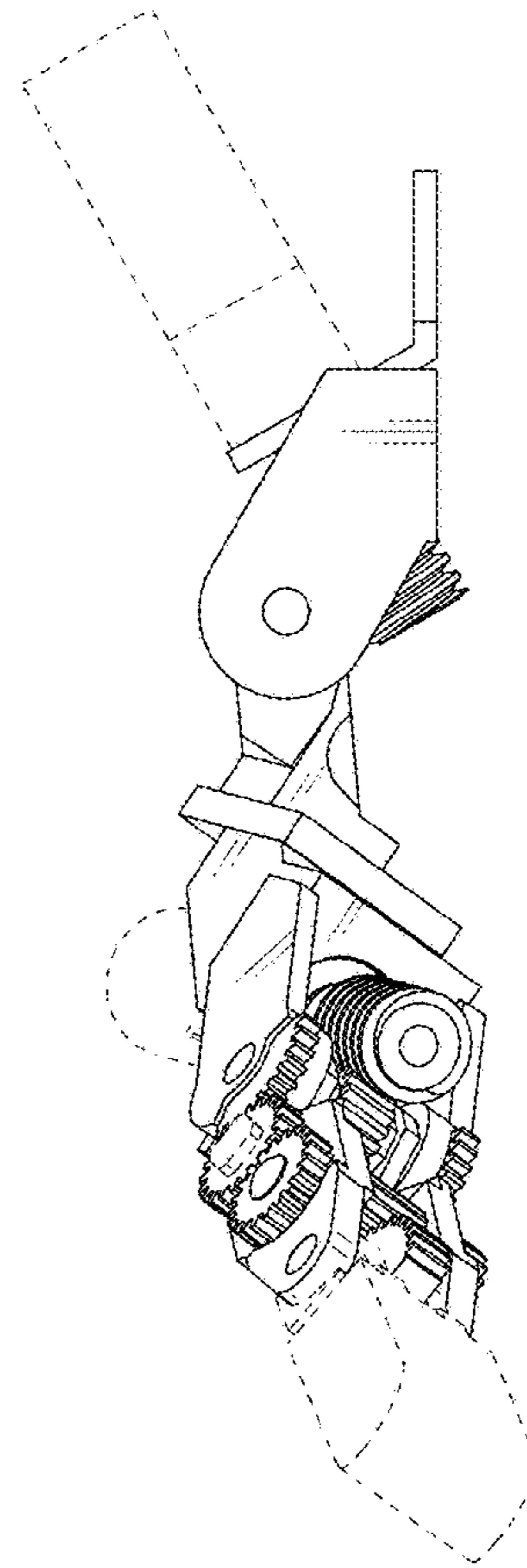


Fig. 7

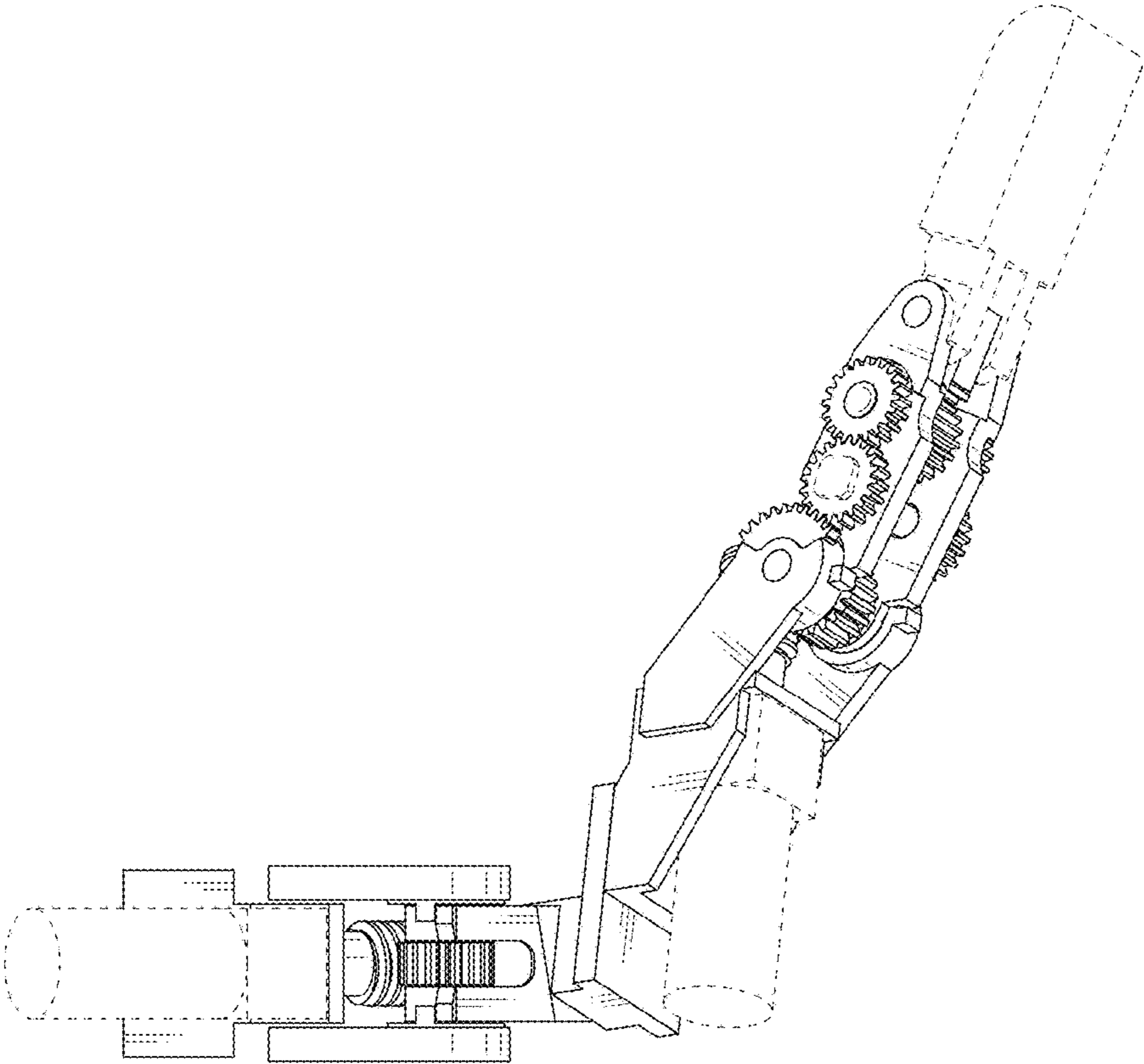


Fig. 8

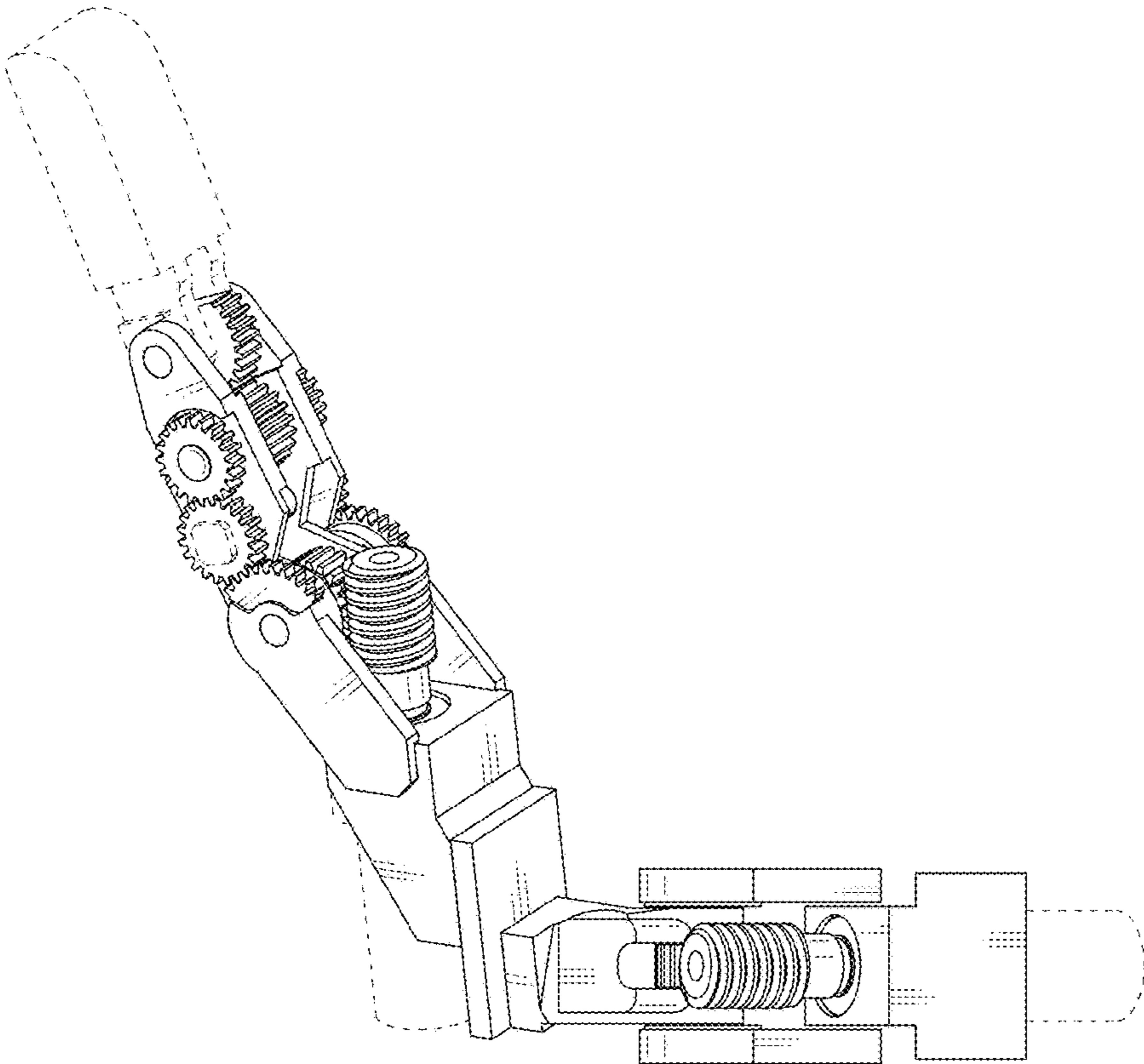


Fig. 10

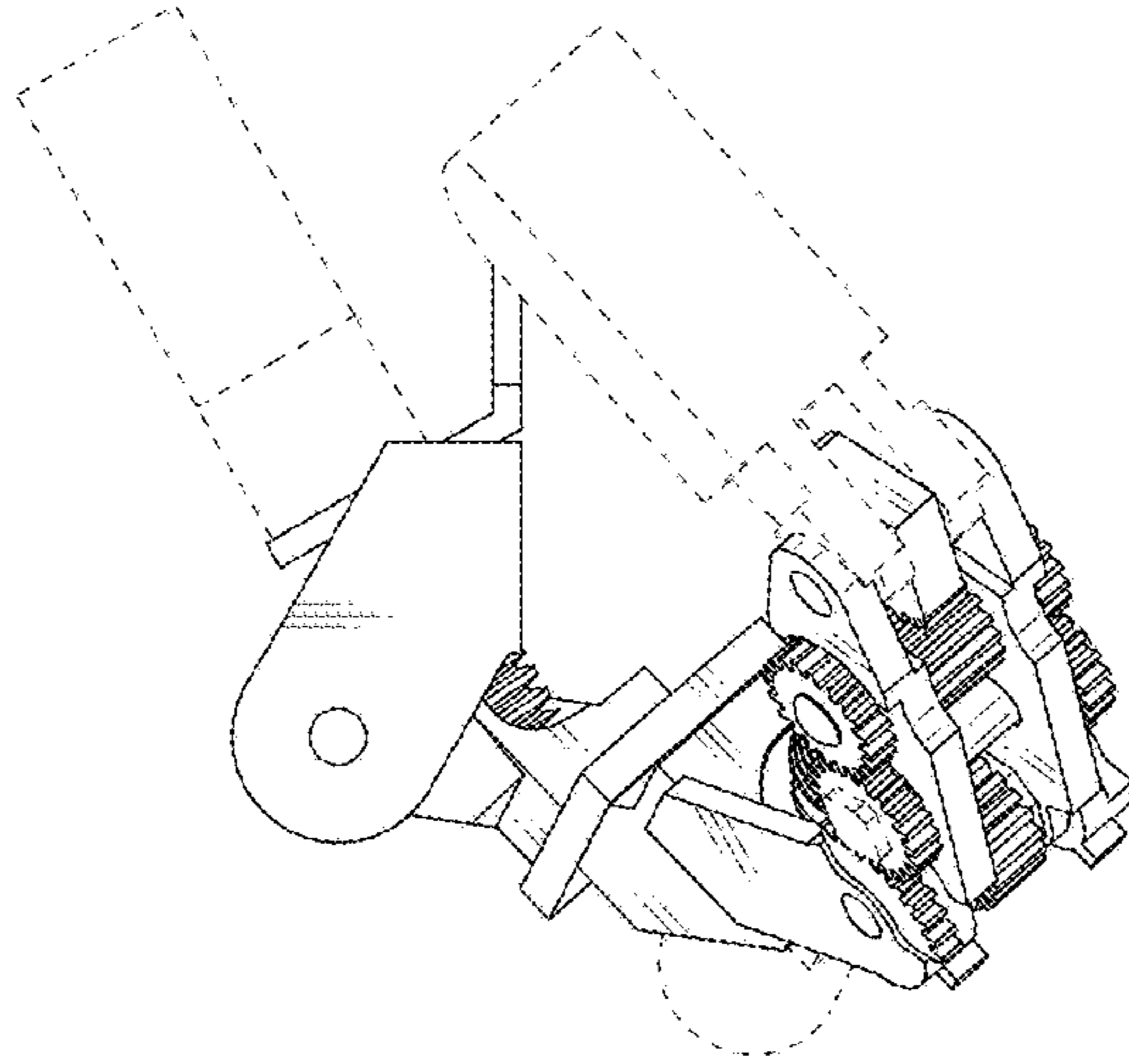


Fig. 9

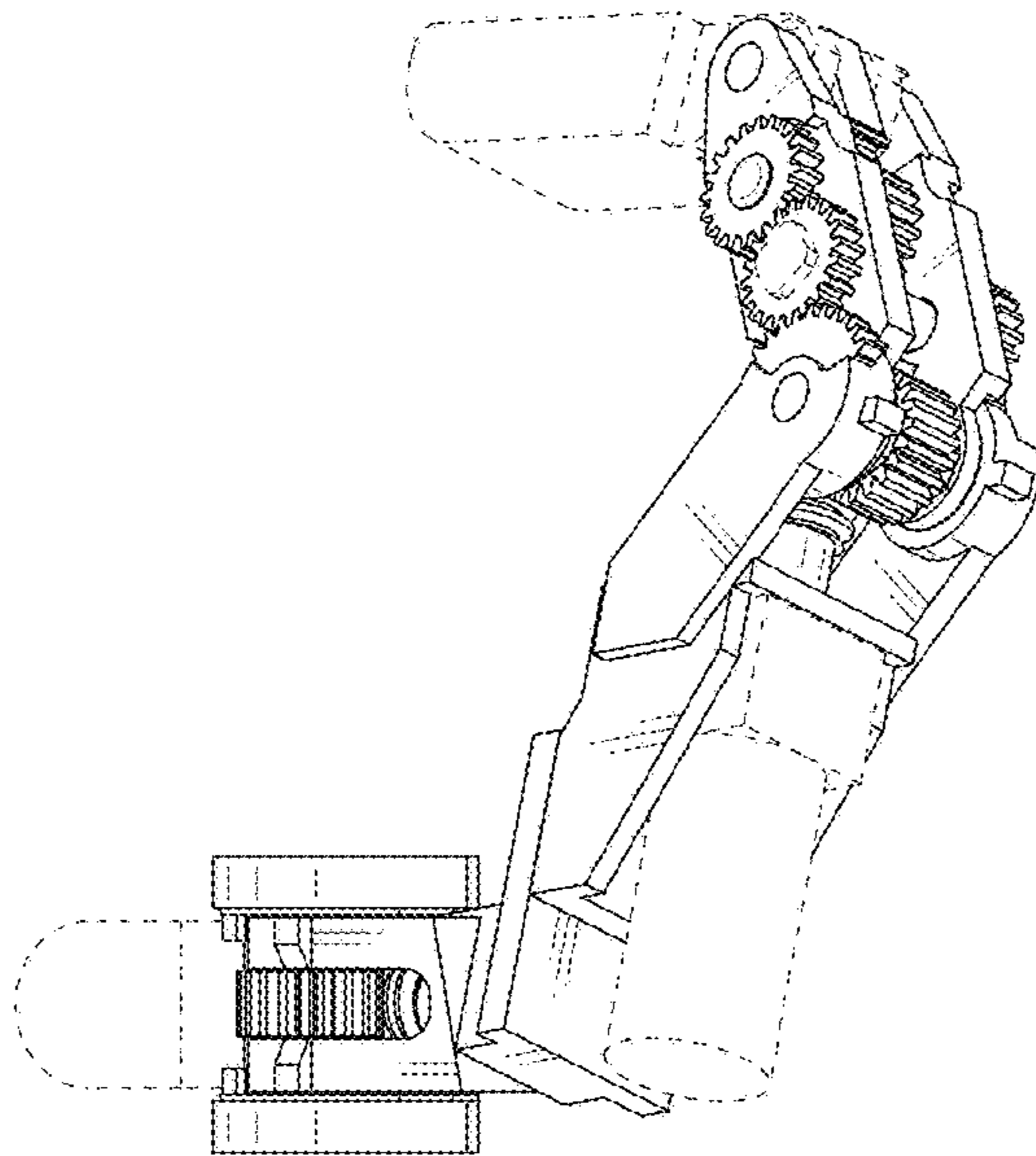


Fig. 11

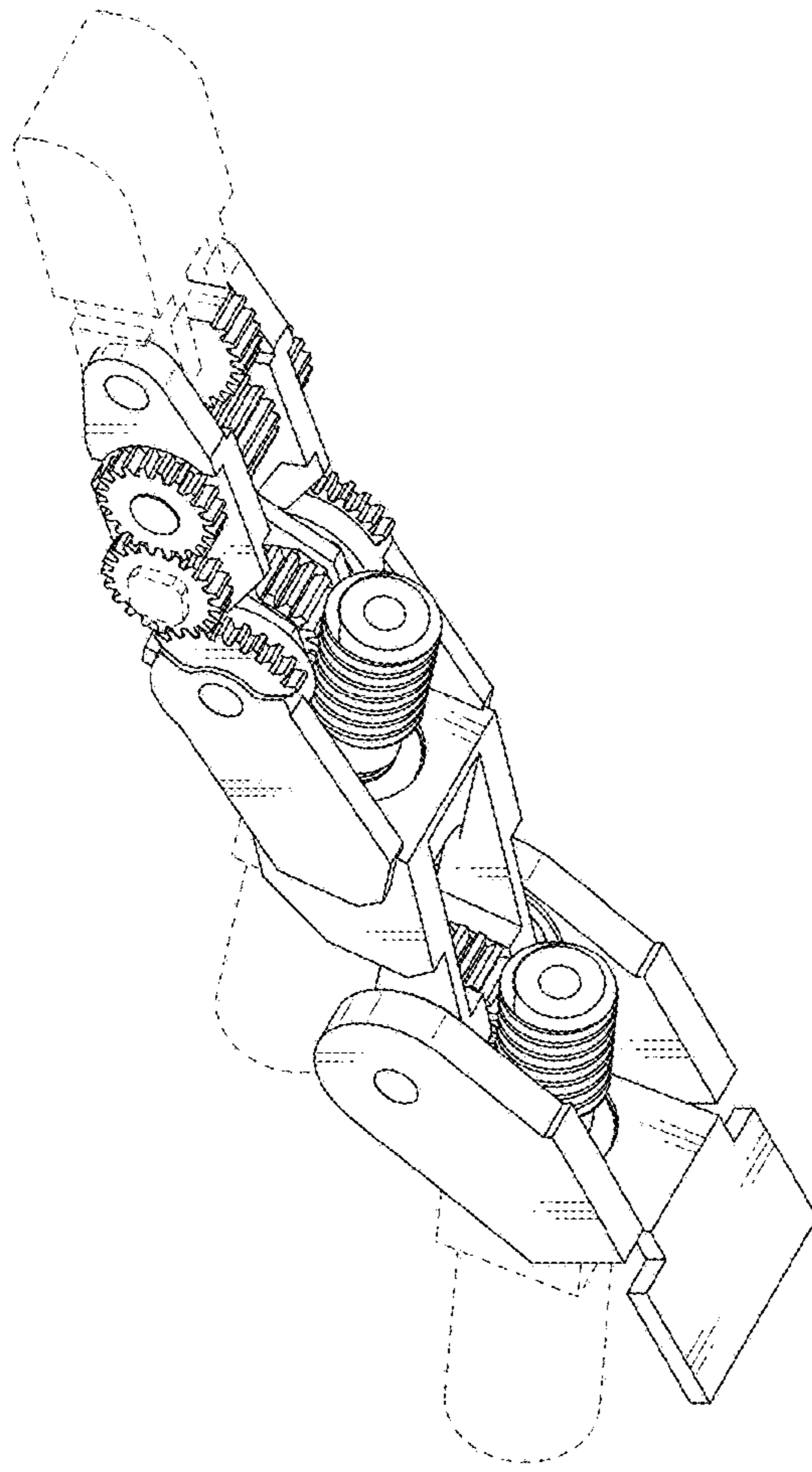


Fig. 12

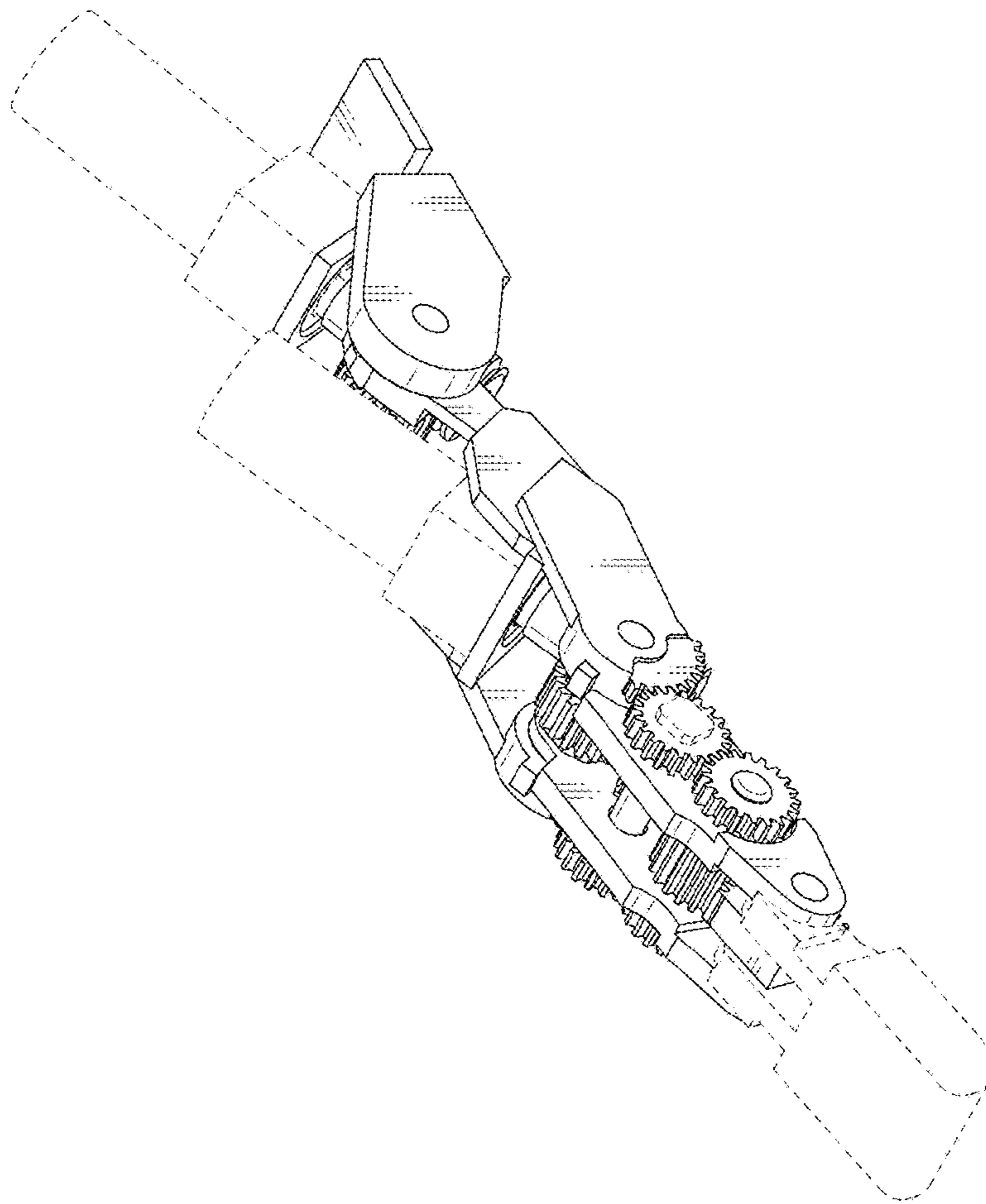


Fig. 13

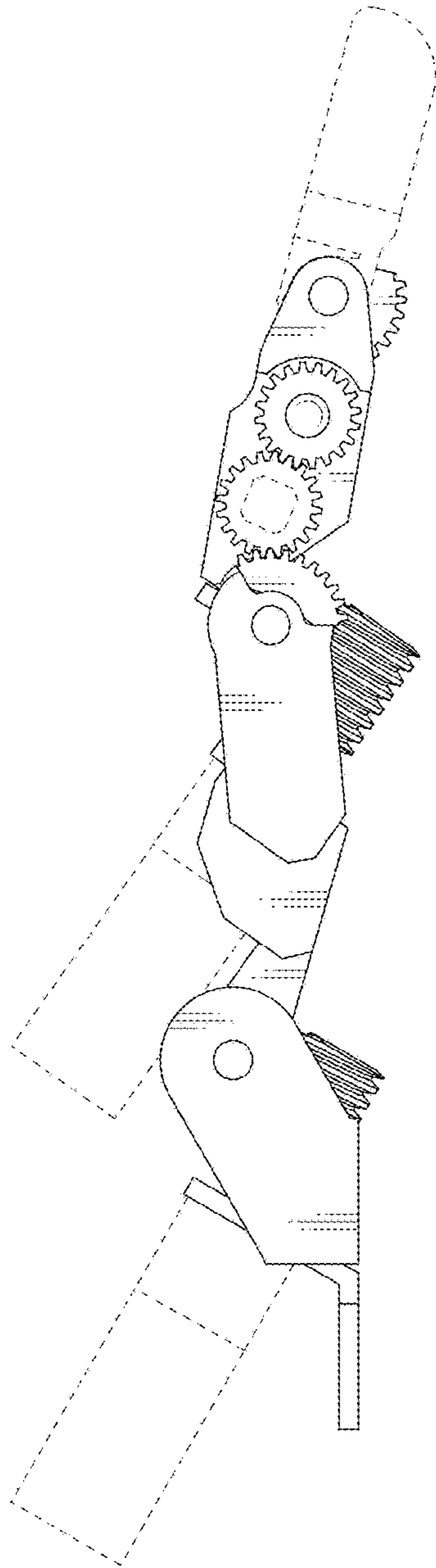


Fig. 14

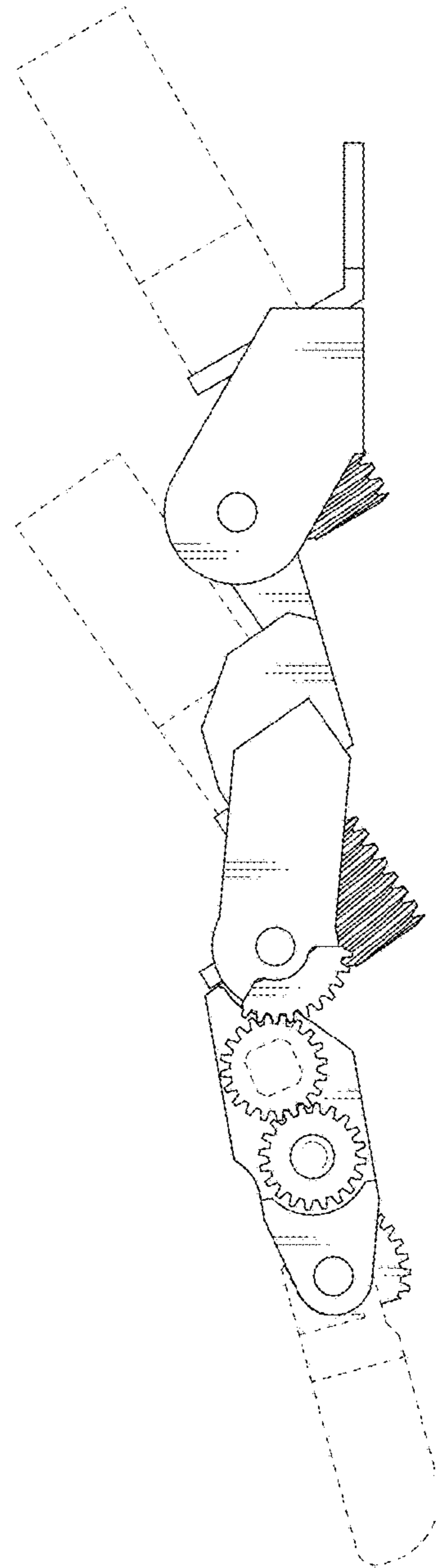


Fig. 16

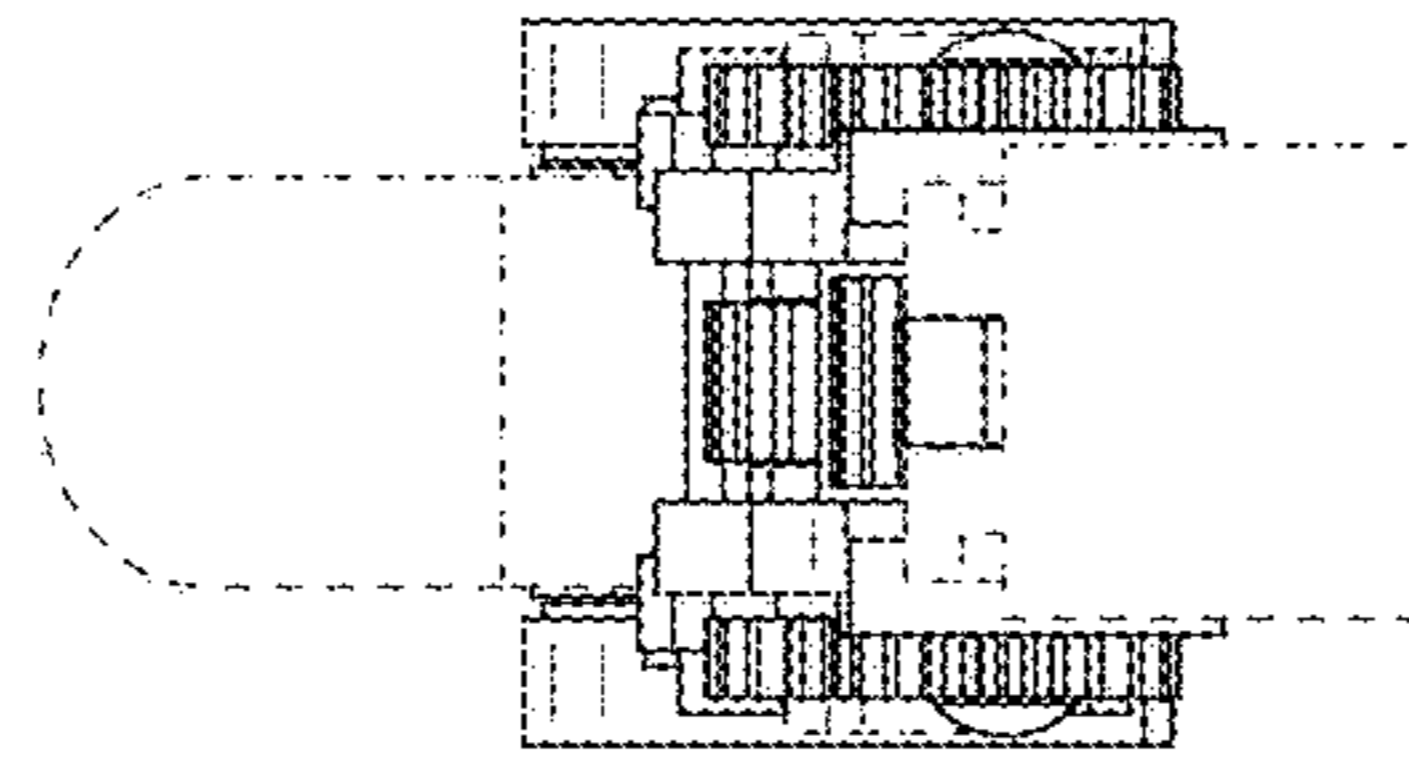


Fig. 15

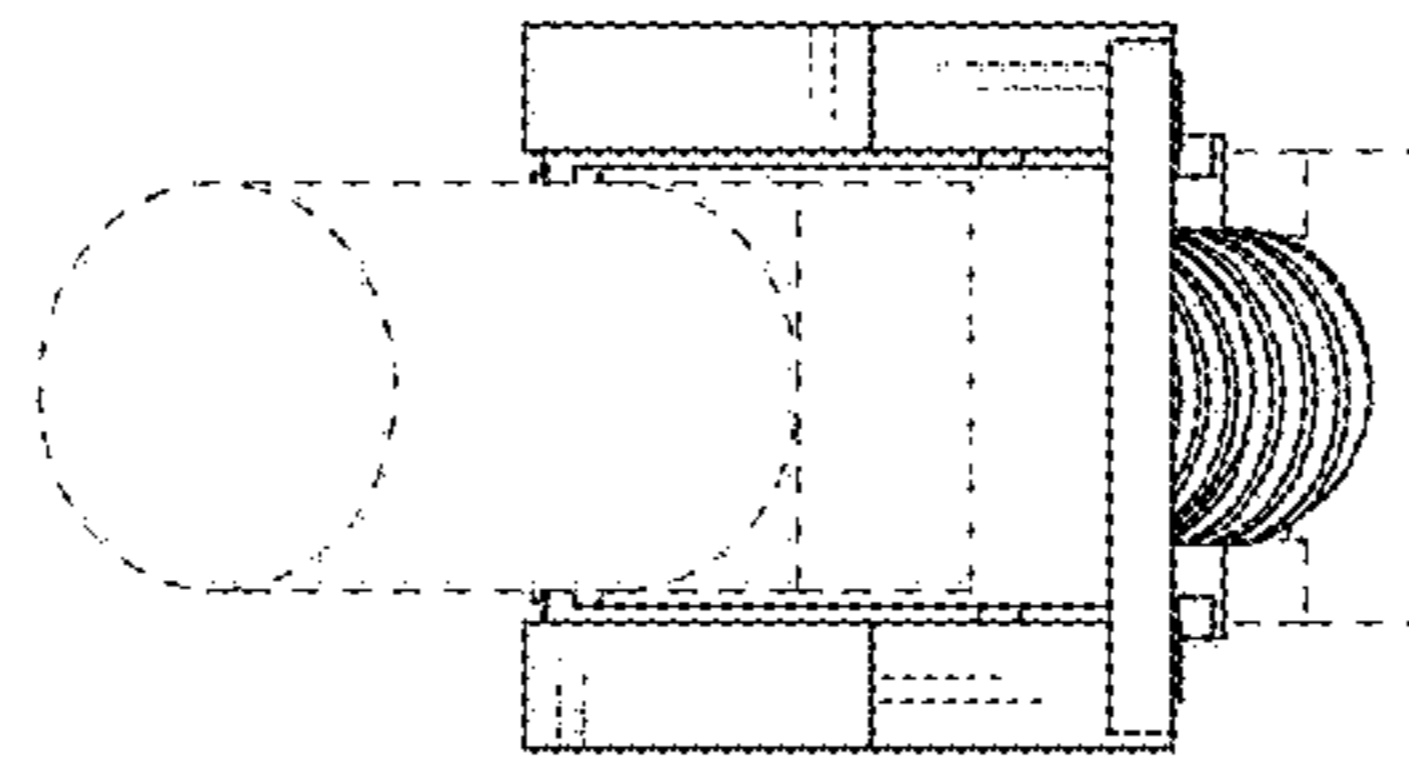


Fig. 17

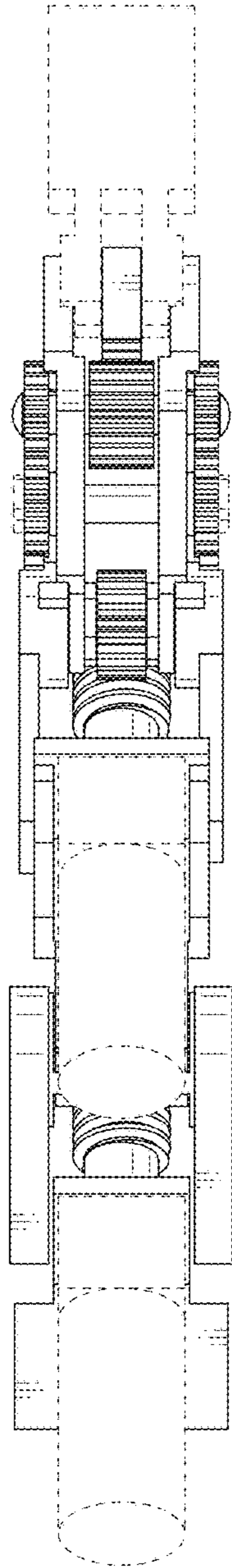


Fig. 18

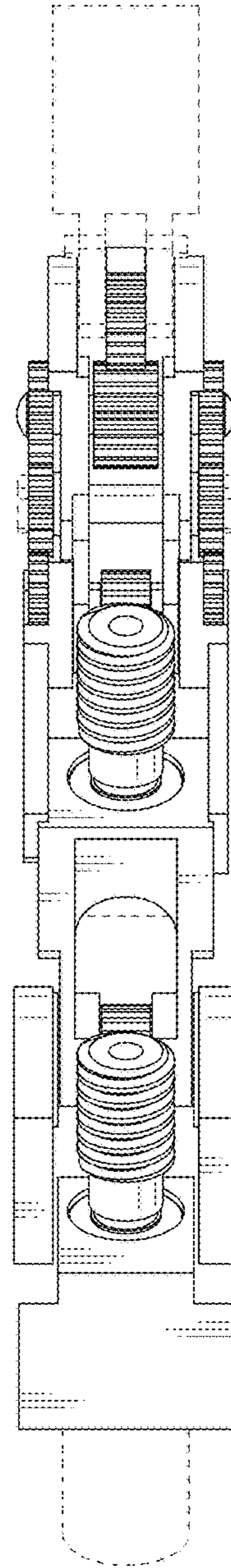


Fig. 19

