



US00D681708S

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

(10) **Patent No.:** **US D681,708 S**

(45) **Date of Patent:** **\*\* May 7, 2013**

(54) **INDUSTRIAL ROBOT**

(71) Applicants: **Takanori Miyake**, Chiyoda-ku (JP);  
**Haruo Ito**, Chiyoda-ku (JP)

(72) Inventors: **Takanori Miyake**, Chiyoda-ku (JP);  
**Haruo Ito**, Chiyoda-ku (JP)

(73) Assignee: **Mitsubishi Electric Corporation**,  
Tokyo (JP)

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

(21) Appl. No.: **29/436,541**

(22) Filed: **Nov. 7, 2012**

(30) **Foreign Application Priority Data**

May 10, 2012 (JP) ..... 2012-010918  
May 10, 2012 (JP) ..... 2012-010919

(51) **LOC (9) Cl.** ..... **15-99**

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

(58) **Field of Classification Search** ..... D15/122,  
D15/199; D24/176; 74/490.01, 490.02,  
74/490.03, 490.05; 198/367, 370.1, 370.04,  
198/722, 771, 782, 866, 890, 890.1; 219/124.34,  
219/639; 318/560; 414/744.1, 935, 936,  
414/937, 938, 940; 700/150

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D300,935 S \* 5/1989 Maddock et al. .... D15/199  
D334,581 S \* 4/1993 Yoshikawa et al. .... D15/199  
D440,241 S \* 4/2001 Kawahara et al. .... D15/199  
D443,287 S \* 6/2001 Kawahara et al. .... D15/199  
D615,574 S \* 5/2010 Liu et al. .... D15/199  
D616,477 S \* 5/2010 Long et al. .... D15/199

D616,909 S \* 6/2010 Long ..... D15/199  
D624,104 S \* 9/2010 Miyake et al. .... D15/199  
D629,030 S \* 12/2010 Long et al. .... D15/199  
D638,043 S \* 5/2011 Tsuchiya et al. .... D15/199  
D638,044 S \* 5/2011 Ikoma et al. .... D15/199  
D638,455 S \* 5/2011 Long ..... D15/199  
D650,820 S \* 12/2011 Long ..... D15/199  
D651,627 S \* 1/2012 Long ..... D15/199  
D670,319 S \* 11/2012 Liu et al. .... D15/199  
2005/0092122 A1 \* 5/2005 Markert et al. .... 74/490.01  
2005/0126327 A1 \* 6/2005 Markert et al. .... 74/490.02  
2008/0271561 A1 \* 11/2008 Ohara et al. .... 74/490.01

\* cited by examiner

*Primary Examiner* — Patricia Palasik

(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

(57) **CLAIM**

The ornamental design for an industrial robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, top and right side perspective view of an industrial robot, showing our new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a front, top and right side perspective view of an industrial robot, according to a second embodiment of our new design;  
FIG. 9 is a front elevational view thereof;  
FIG. 10 is a rear elevational view thereof;  
FIG. 11 is a left side elevational view thereof;  
FIG. 12 is a right side elevational view thereof;  
FIG. 13 is a top plan view thereof; and,  
FIG. 14 is a bottom plan view thereof.

**1 Claim, 10 Drawing Sheets**

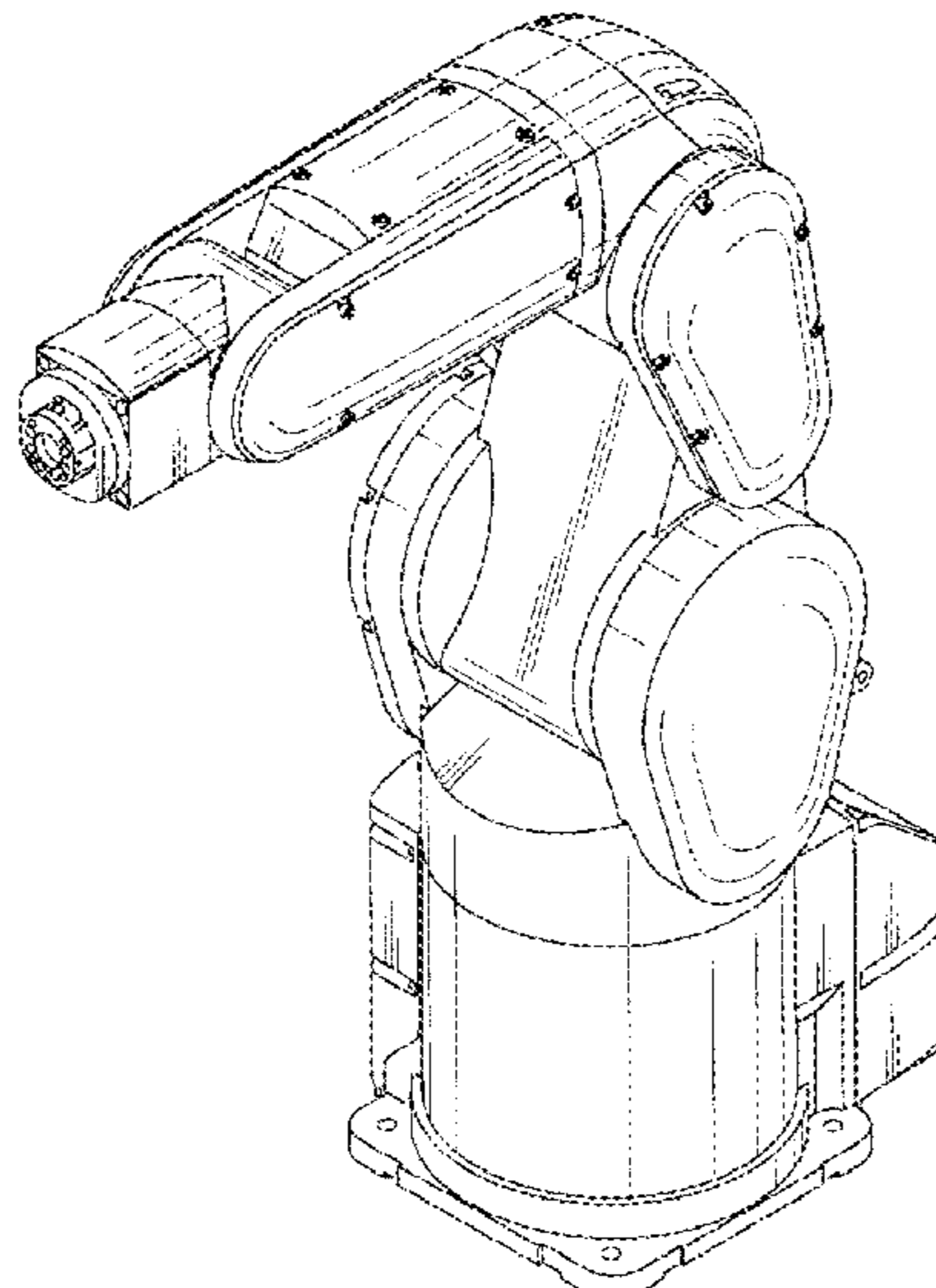


Fig. 1

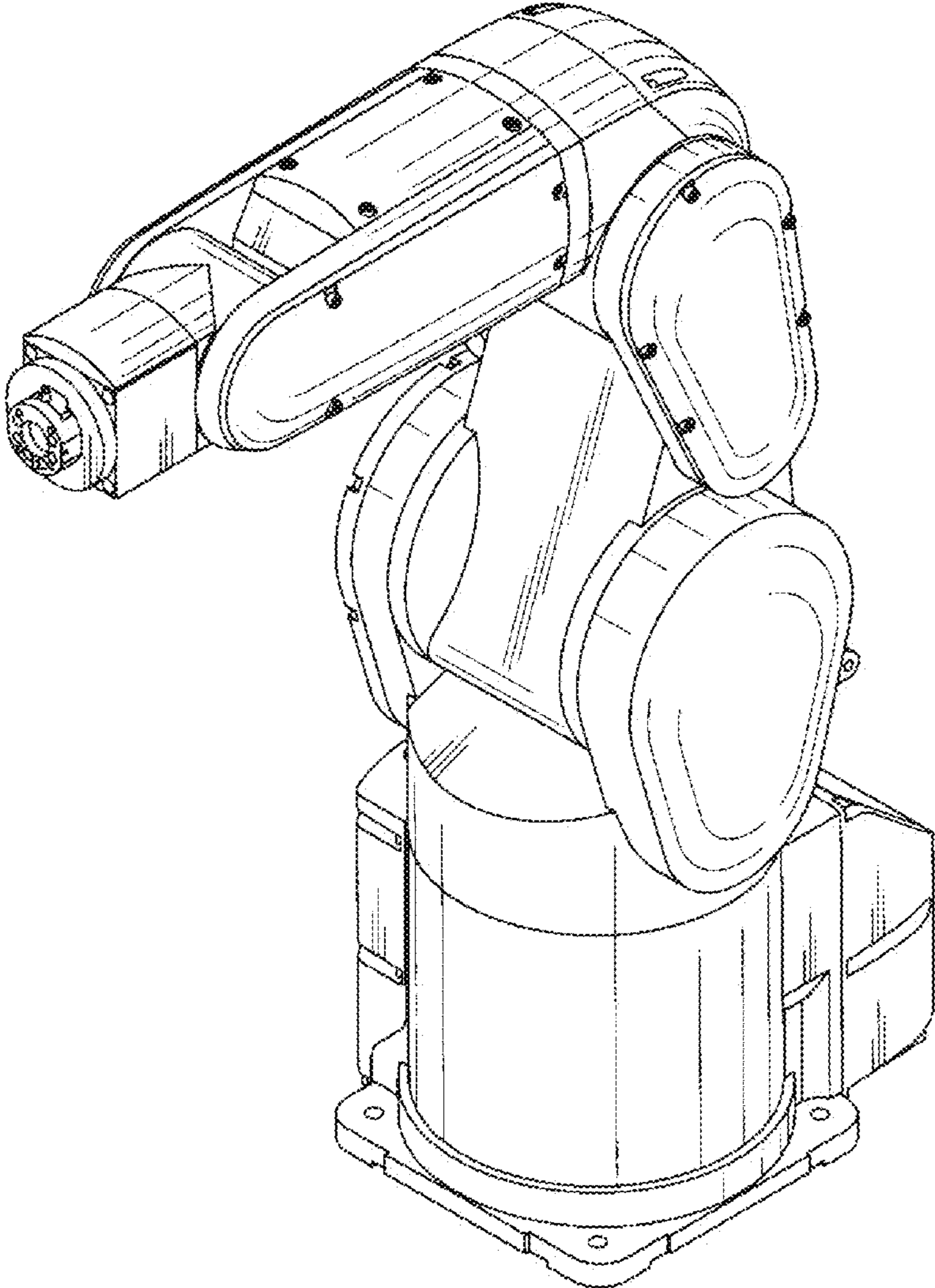


Fig. 2

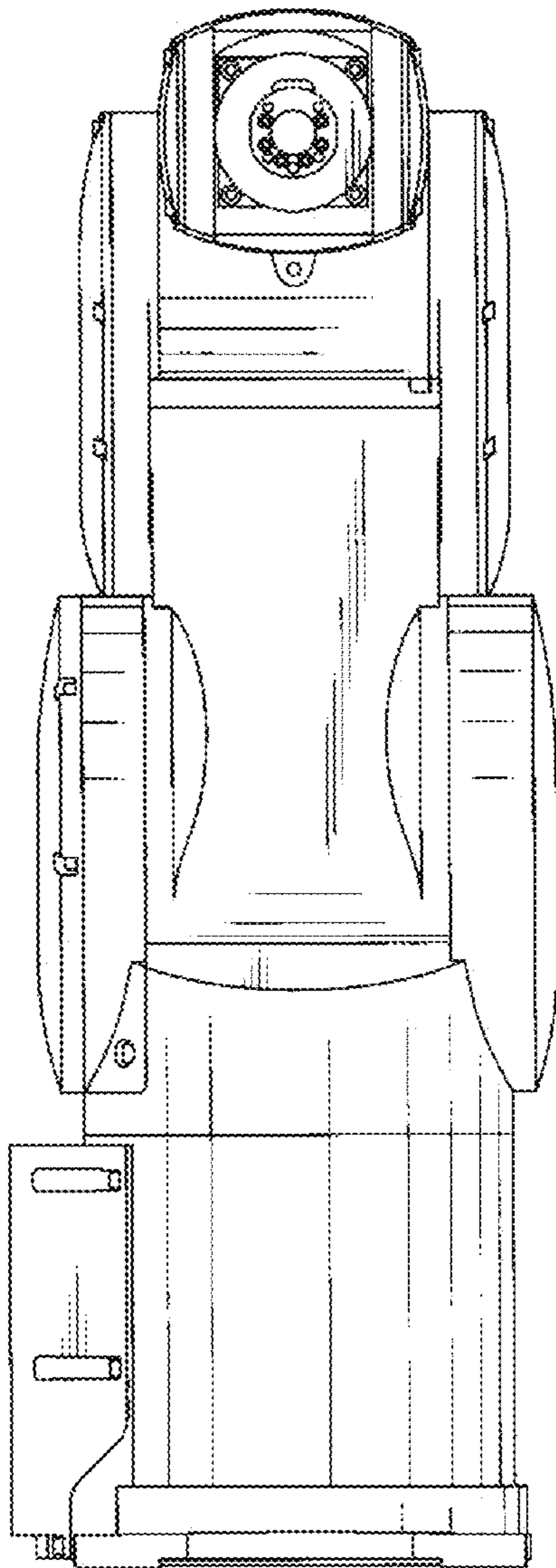


Fig. 3

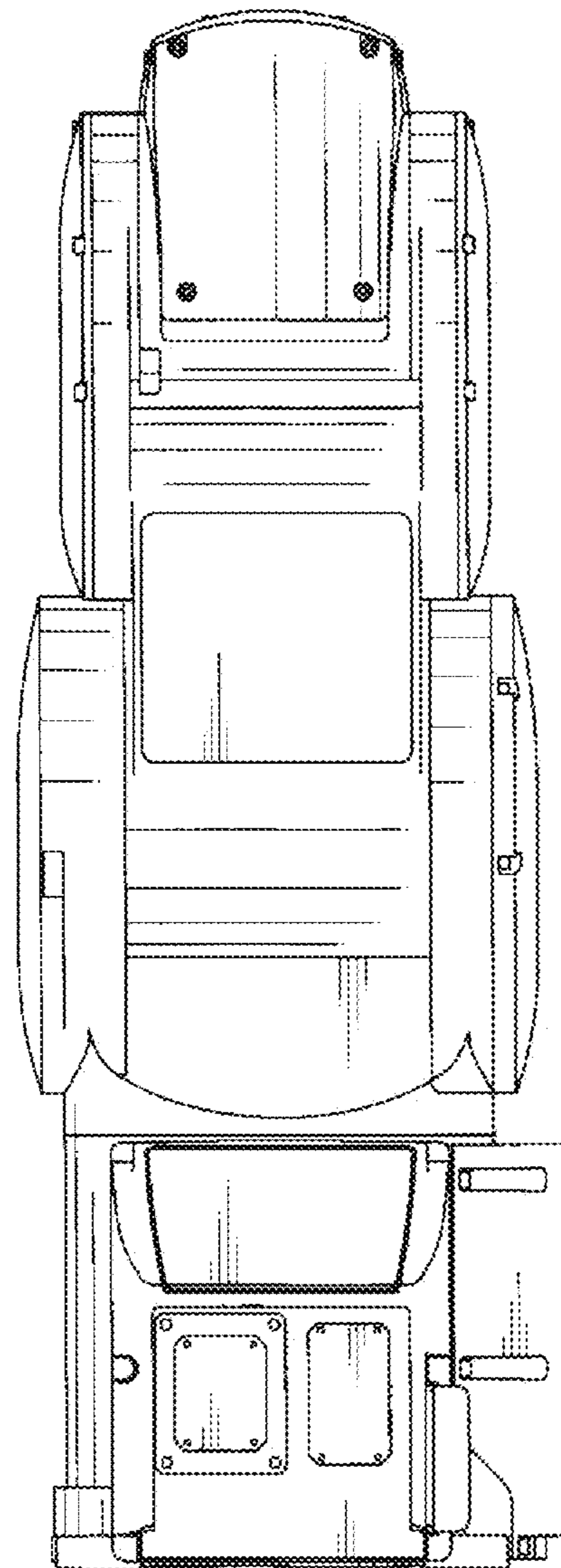




Fig. 4

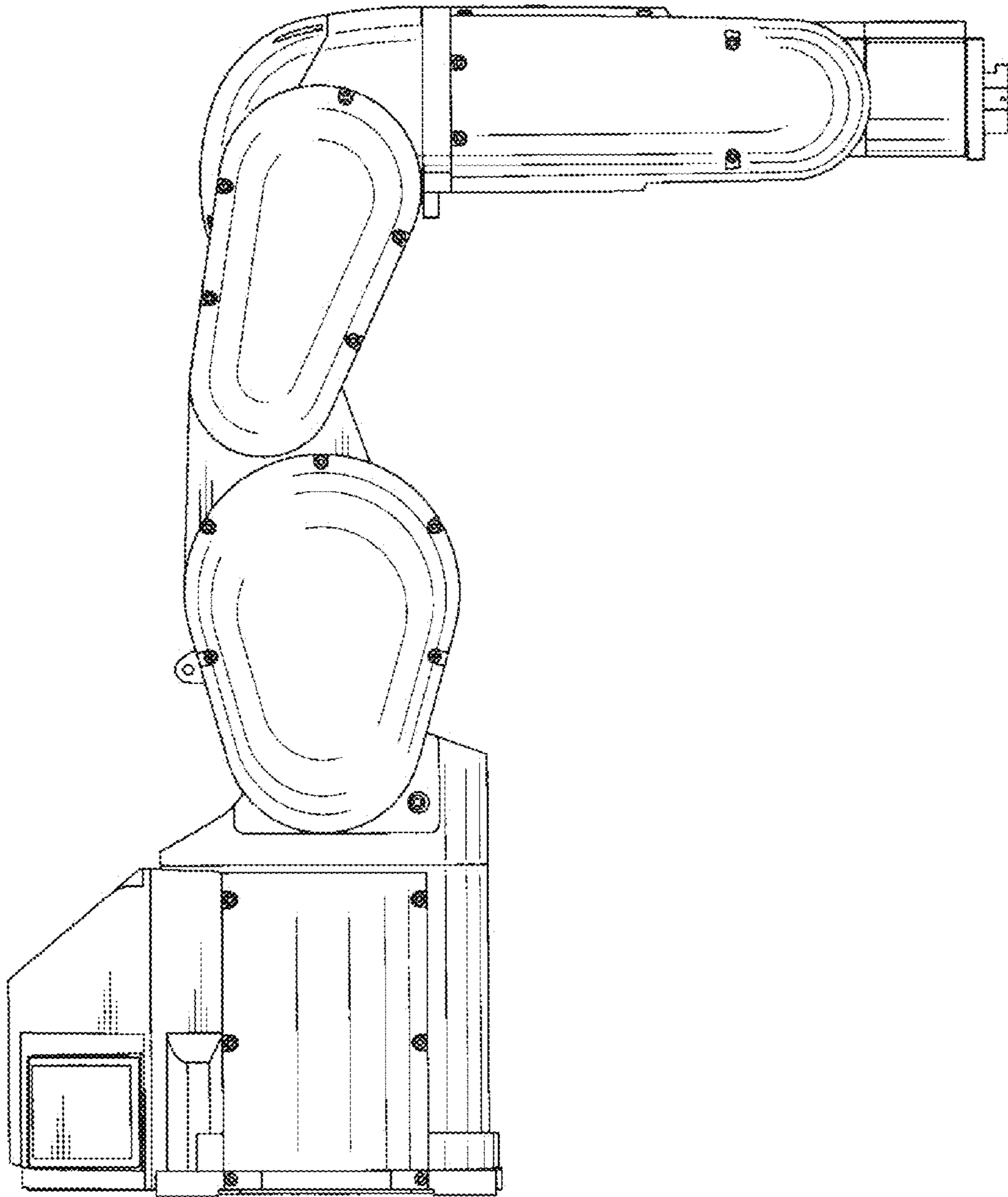


Fig. 5

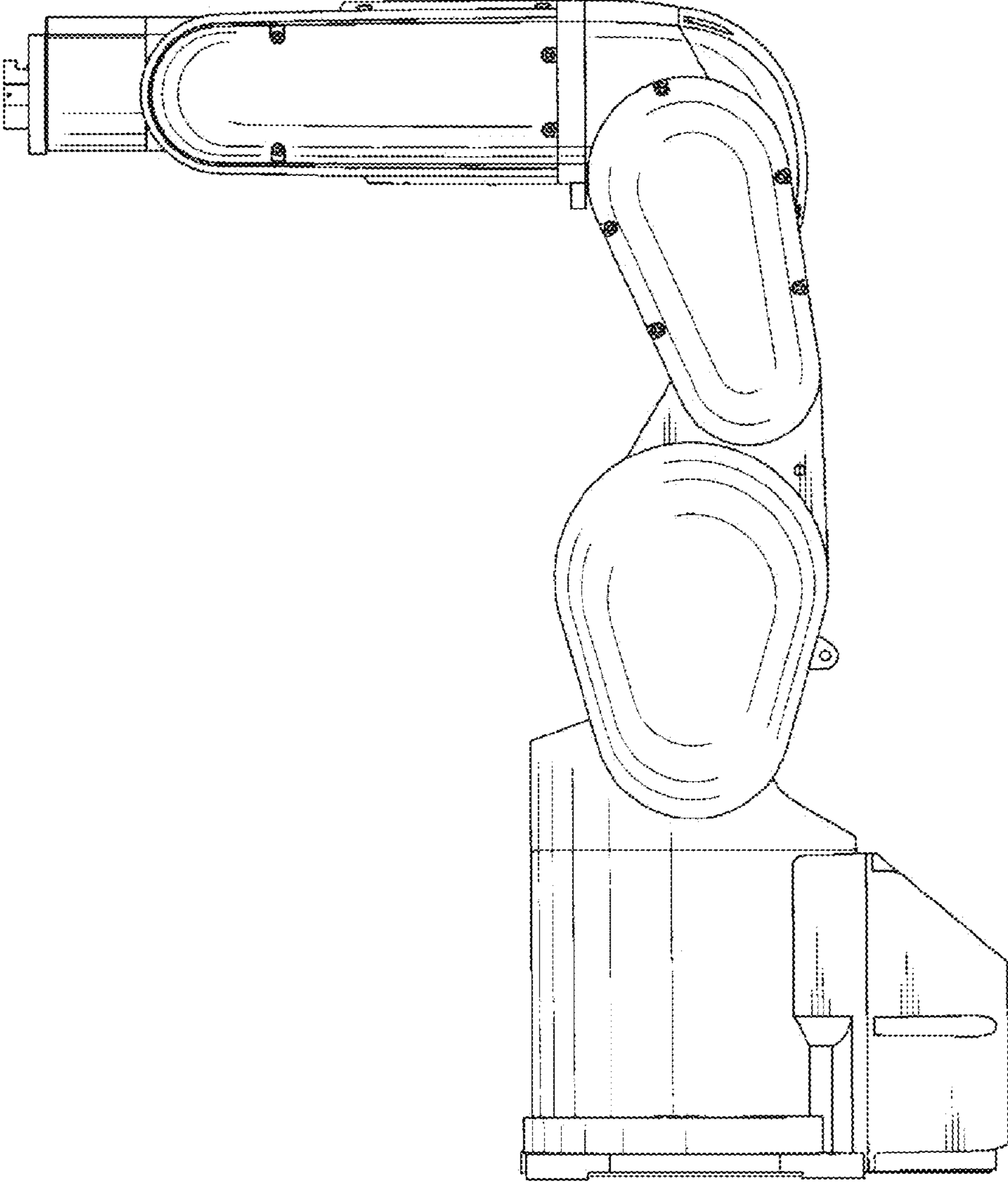


Fig. 6

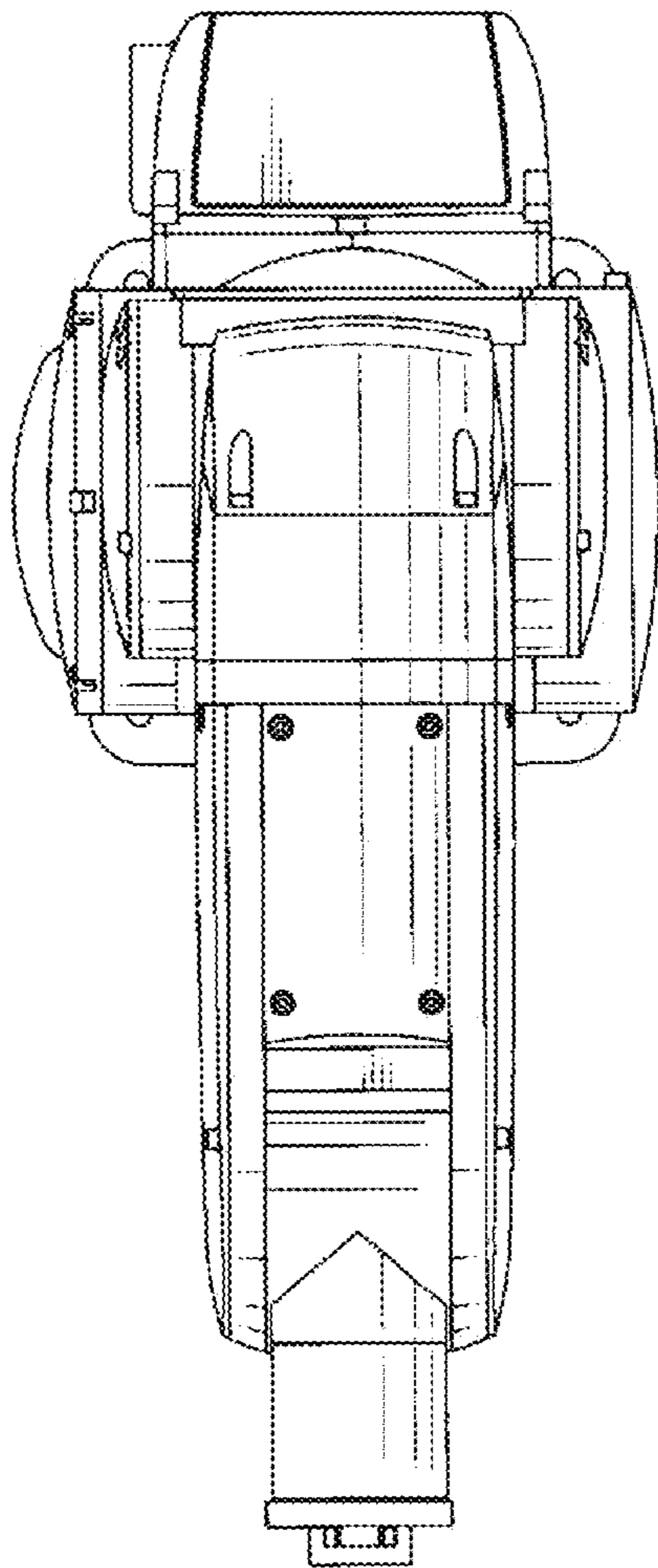


Fig. 7

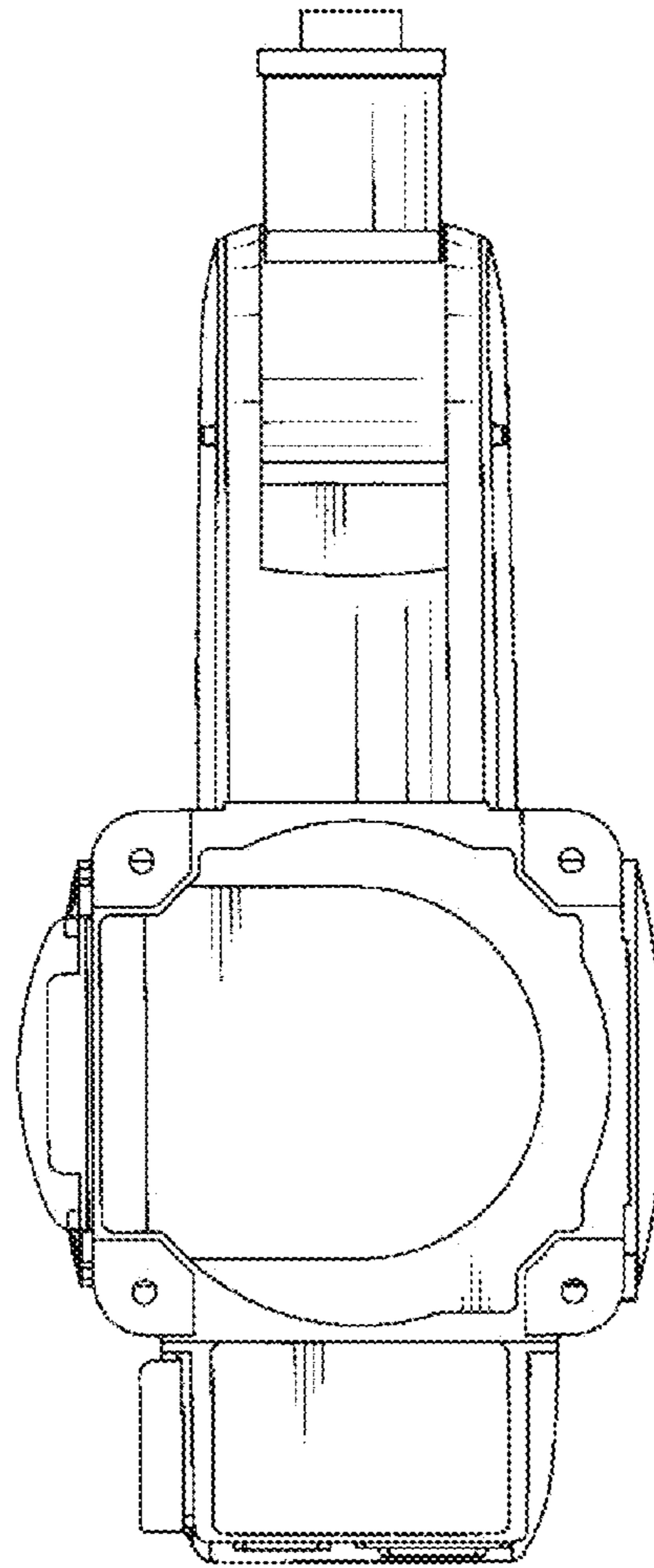


Fig. 8

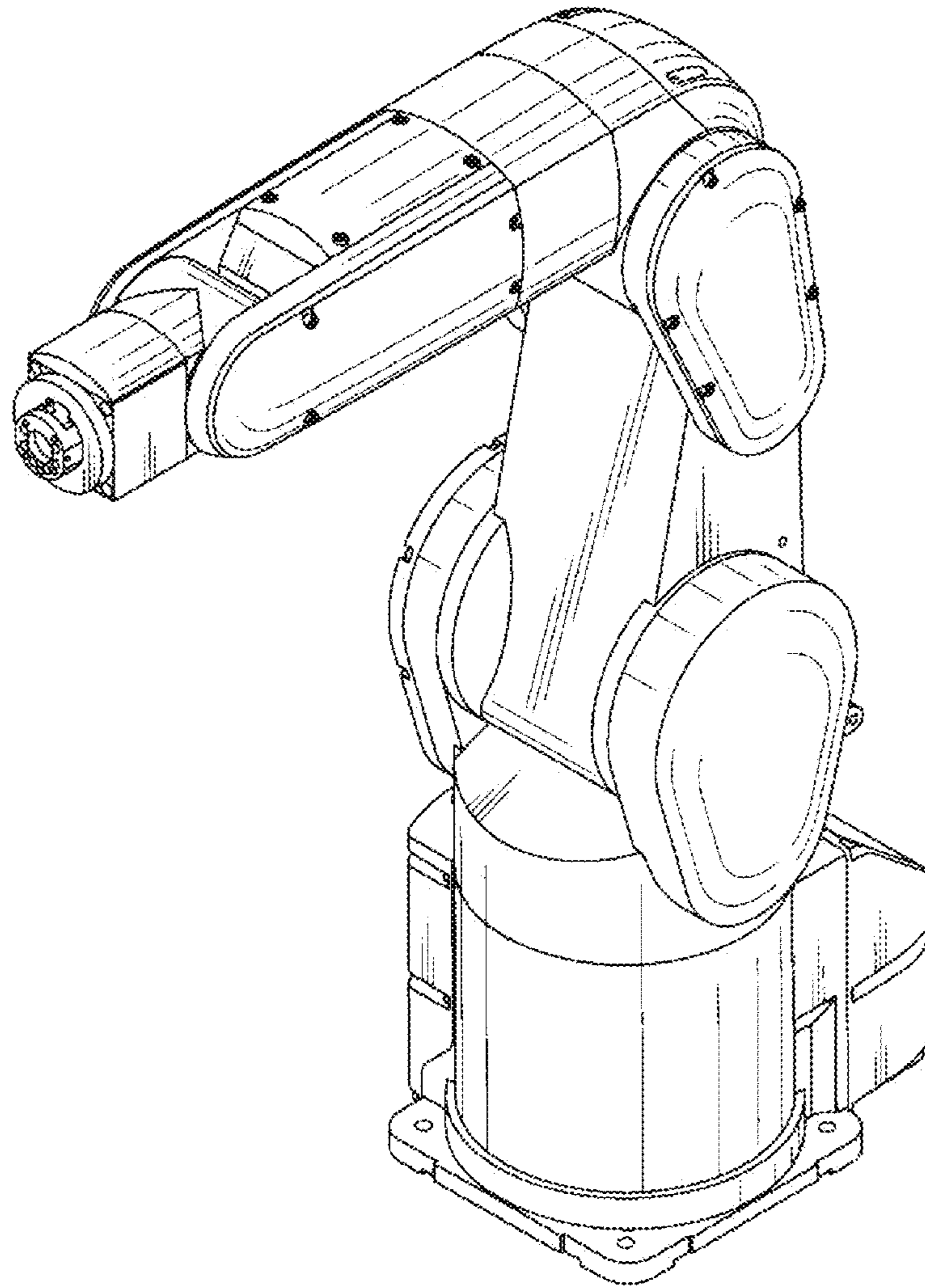


Fig. 9

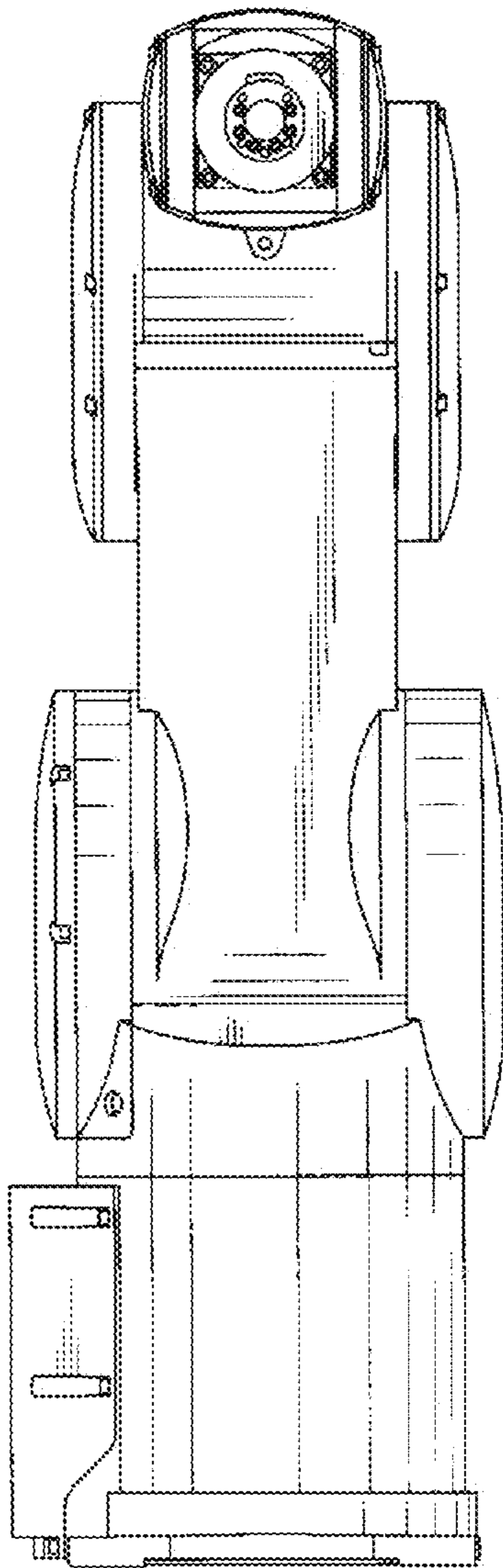


Fig. 10

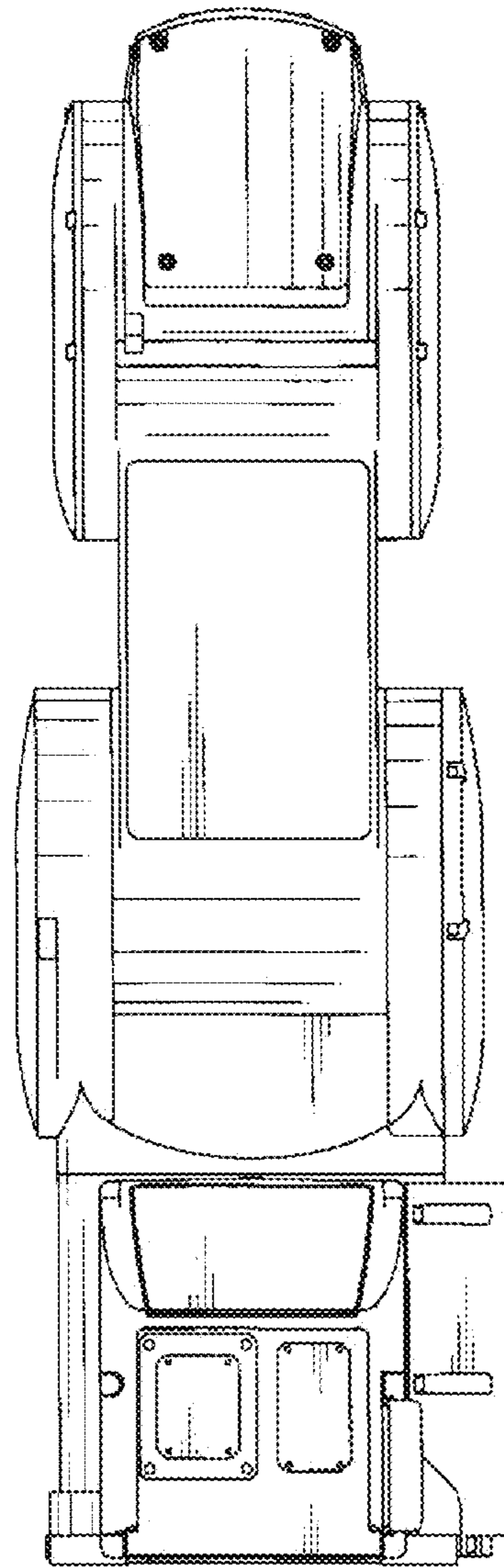




Fig. 11

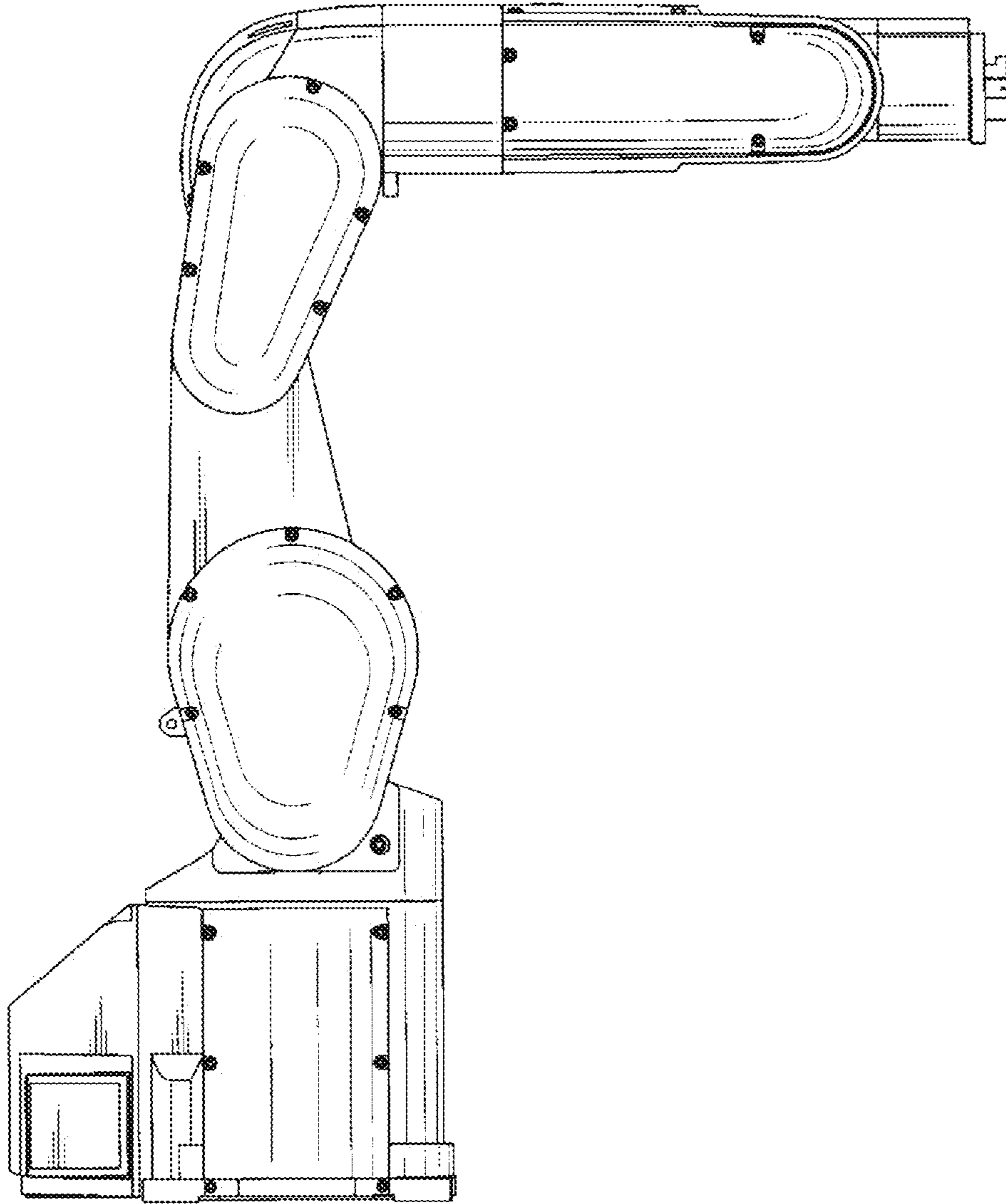


Fig. 12

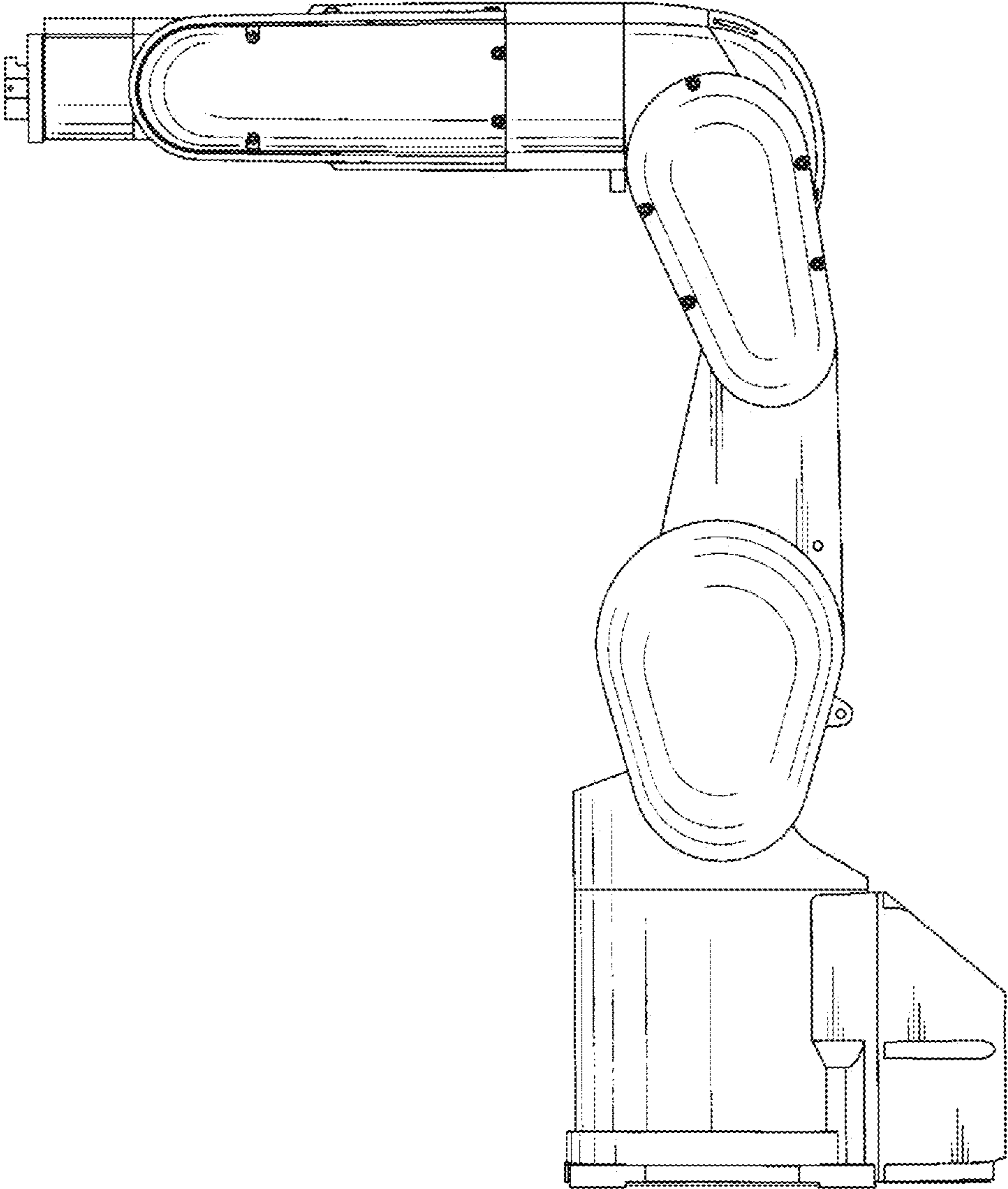


Fig. 13

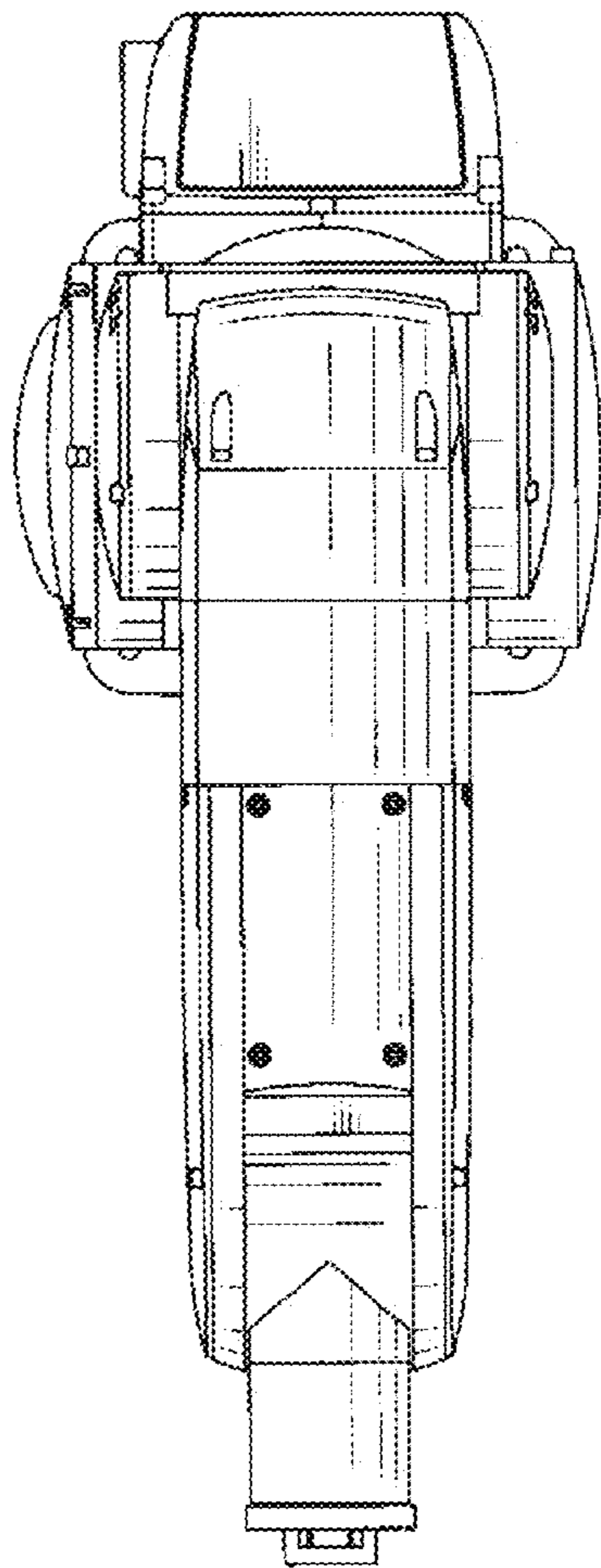


Fig. 14

