

US00D807933S

(12) **United States Design Patent** (10) **Patent No.:** **US D807,933 S**
Zermatten et al. (45) **Date of Patent:** **** Jan. 16, 2018**

(54) **TOOL FOR A PRESS BRAKE**

(57) **CLAIM**

(71) Applicant: **Henri Emil Louis Maurice Zermatten**, Johannesburg (ZA)

The ornamental design for a tool for a press brake, as shown and described.

(72) Inventors: **Henri Emil Louis Maurice Zermatten**, Johannesburg (ZA); **Dieter Henri Zermatten**, Johannesburg (ZA)

DESCRIPTION

(73) Assignee: **Henri Emil Louis Maurice Zermatten**, Johannesburg (ZA)

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

(21) Appl. No.: **29/554,533**

(22) Filed: **Feb. 12, 2016**

(30) **Foreign Application Priority Data**

Aug. 14, 2015 (ZA) F2015/01220

(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/128; D15/138**

(58) **Field of Classification Search**
USPC D15/122, 123, 128, 138, 129, 141
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D180,234 S * 5/1957 Jahnke D15/123
D189,560 S * 1/1961 Munschauer D15/123
(Continued)

FOREIGN PATENT DOCUMENTS

DE 682148 C 10/1939
DE 1085487 B 7/1960
(Continued)

Primary Examiner — Patricia Palasik

(74) *Attorney, Agent, or Firm* — Haugen Law Firm PLLP

(Continued)

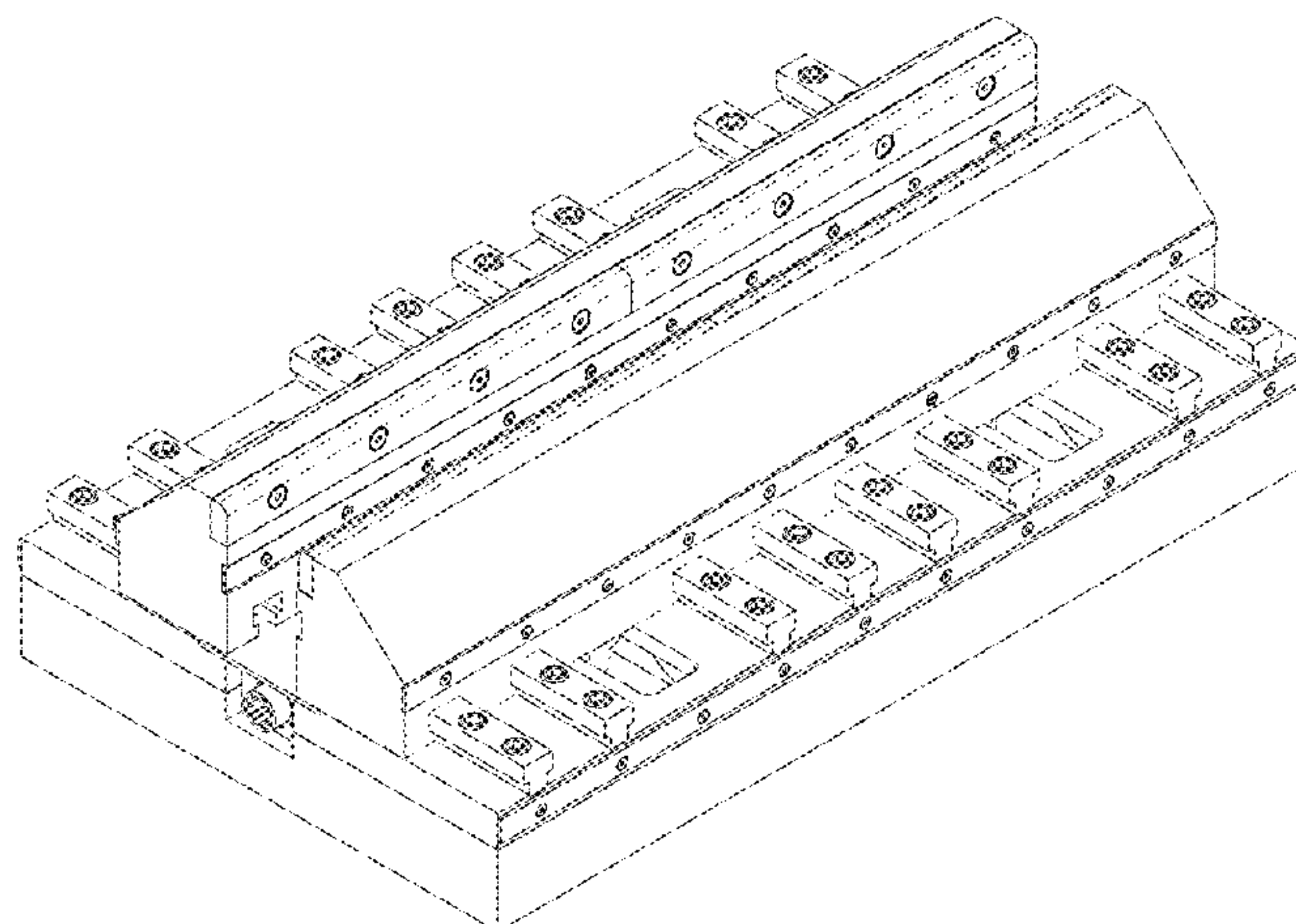


FIG. 19 is a top plan view of the tool for a press brake in an open condition;
 FIG. 20 is a bottom plan view of the tool for a press brake in an open condition;
 FIG. 21 is a top front exploded perspective view of the tool for a press brake;
 FIG. 22 is a top rear exploded perspective view of the tool for a press brake;
 FIG. 23 is a bottom front exploded perspective view of the tool for a press brake;
 FIG. 24 is a bottom rear exploded perspective view of the tool for a press brake;
 FIG. 25 is a front elevational view of an upper component of the tool for a press brake shown separate for clarity of disclosure;
 FIG. 26 is a rear elevational view thereof;
 FIG. 27 is a left side elevational view thereof;
 FIG. 28 is a right side elevational view thereof;
 FIG. 29 is a top plan view thereof;
 FIG. 30 is a bottom plan view thereof;
 FIG. 31 is a front elevational view of a center component of the tool for a press brake shown separate for clarity of disclosure;
 FIG. 32 is a rear elevational view thereof;
 FIG. 33 is a left side elevational view thereof;
 FIG. 34 is a right side elevational view thereof;
 FIG. 35 is a top plan view thereof;
 FIG. 36 is a bottom plan view thereof;
 FIG. 37 is a front elevational view of a lower component of the tool for a press brake shown separate for clarity of disclosure;
 FIG. 38 is a rear elevational view thereof;
 FIG. 39 is a left side elevational view thereof;
 FIG. 40 is a right side elevational view thereof;
 FIG. 41 is a top plan view thereof; and,
 FIG. 42 is a bottom plan view thereof.

1 Claim, 27 Drawing Sheets

(58) **Field of Classification Search**

CPC B21D 5/01; B21D 5/02; B21D 5/0209;
 B21D 5/0227; B21D 37/14; B21D

37/145; B30B 15/028; Y10T 483/10;
 Y10T 483/1731

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|------|---------|------------------|-------|--------------------------|
| 3,633,395 | A * | 1/1972 | Anderson | ..... | B21D 5/01 72/21.3 |
| D236,384 | S * | 8/1975 | Roch | ..... | D15/123 |
| 3,914,975 | A * | 10/1975 | Kawano | ..... | B21D 5/0272 100/258 A |
| 4,170,124 | A * | 10/1979 | MacGregor | ..... | B21D 5/02 60/421 |
| 4,220,032 | A * | 9/1980 | Smith, Jr. | ..... | B21D 55/00 192/134 |
| 4,455,857 | A * | 6/1984 | Salvagnini | ..... | B21D 5/045 72/306 |
| 4,608,852 | A * | 9/1986 | Kogure | ..... | B21D 5/02 72/389.3 |
| D288,326 | S * | 2/1987 | Mano | ..... | D15/123 |
| 4,648,786 | A * | 3/1987 | Sakurai | ..... | B21D 43/05 198/468.3 |
| 5,022,248 | A | 6/1991 | Brooks et al. | | |
| D320,214 | S * | 9/1991 | Massaccesi | ..... | D15/141 |
| 5,249,452 | A | 10/1993 | Baldwin et al. | | |
| 5,305,659 | A | 4/1994 | Dieperink et al. | | |
| 5,366,431 | A | 11/1994 | Smith et al. | | |
| 5,564,301 | A | 10/1996 | Ronnmark | | |
| 6,886,386 | B1 | 5/2005 | Cantrell | | |
| 2006/0231981 | A1 | 10/2006 | Lee et al. | | |
| 2009/0123588 | A1 | 5/2009 | Lee et al. | | |
| 2014/0123723 | A1 * | 5/2014 | Yoshida | ..... | B21D 5/006 72/374 |
| 2014/0165689 | A1 * | 6/2014 | Patuzzi | ..... | B21D 5/0272 72/389.1 |
| 2015/0217892 | A1 * | 8/2015 | Steffen | ..... | B65B 59/04 53/546 |
| 2015/0298191 | A1 * | 10/2015 | Da Silva Alves | ... | B21D 5/0272 72/389.3 |
| 2017/0165734 | A1 * | 6/2017 | Denkmeier | ..... | B21D 5/0254 |

FOREIGN PATENT DOCUMENTS

| | | | |
|----|------------|---|---------|
| DE | 3235775 | B | 3/1984 |
| GB | 1448120 | A | 9/1976 |
| WO | 97018907 | A | 5/1997 |
| WO | 2001076784 | A | 10/2001 |

* cited by examiner

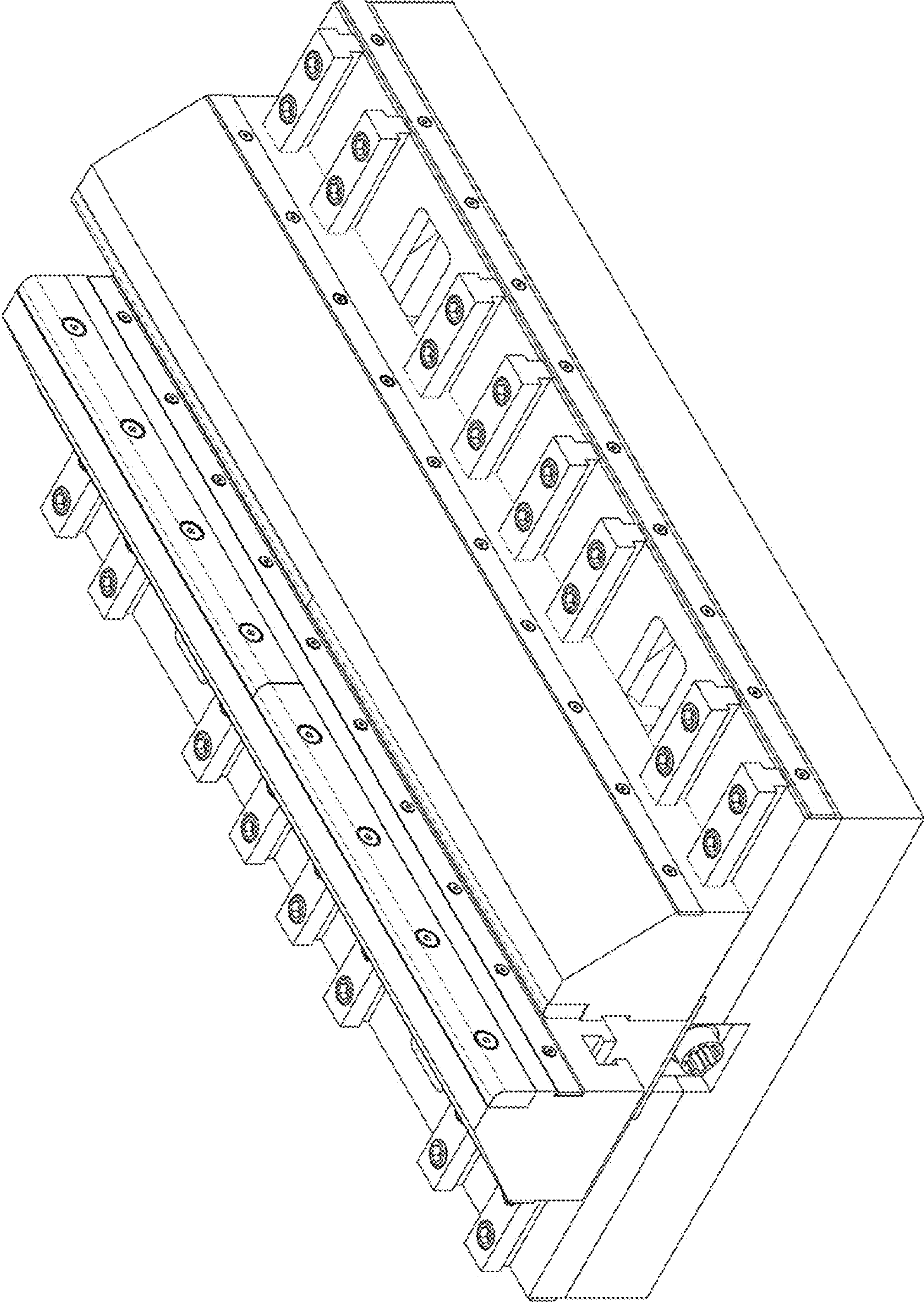


Fig. 1

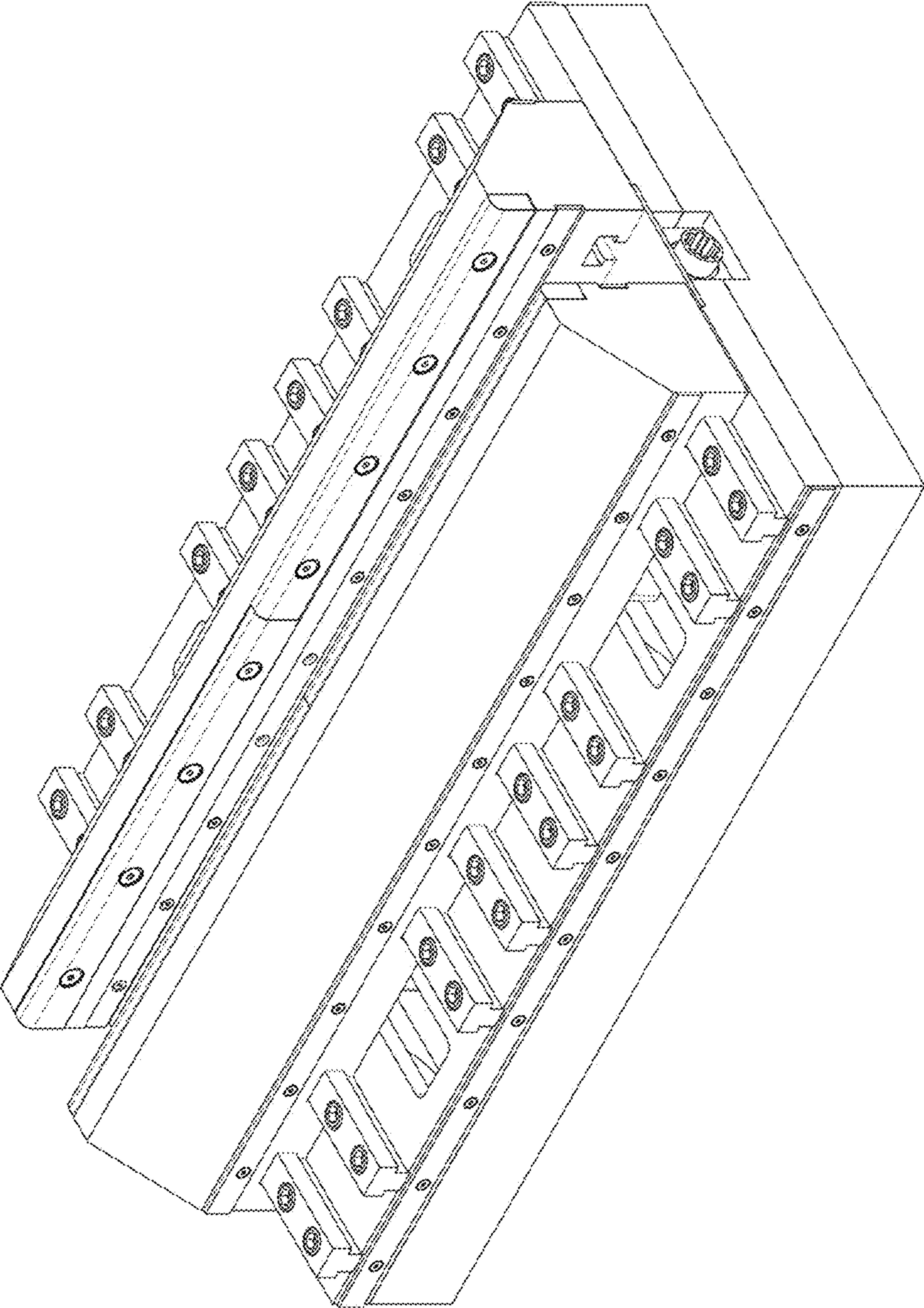


Fig. 2

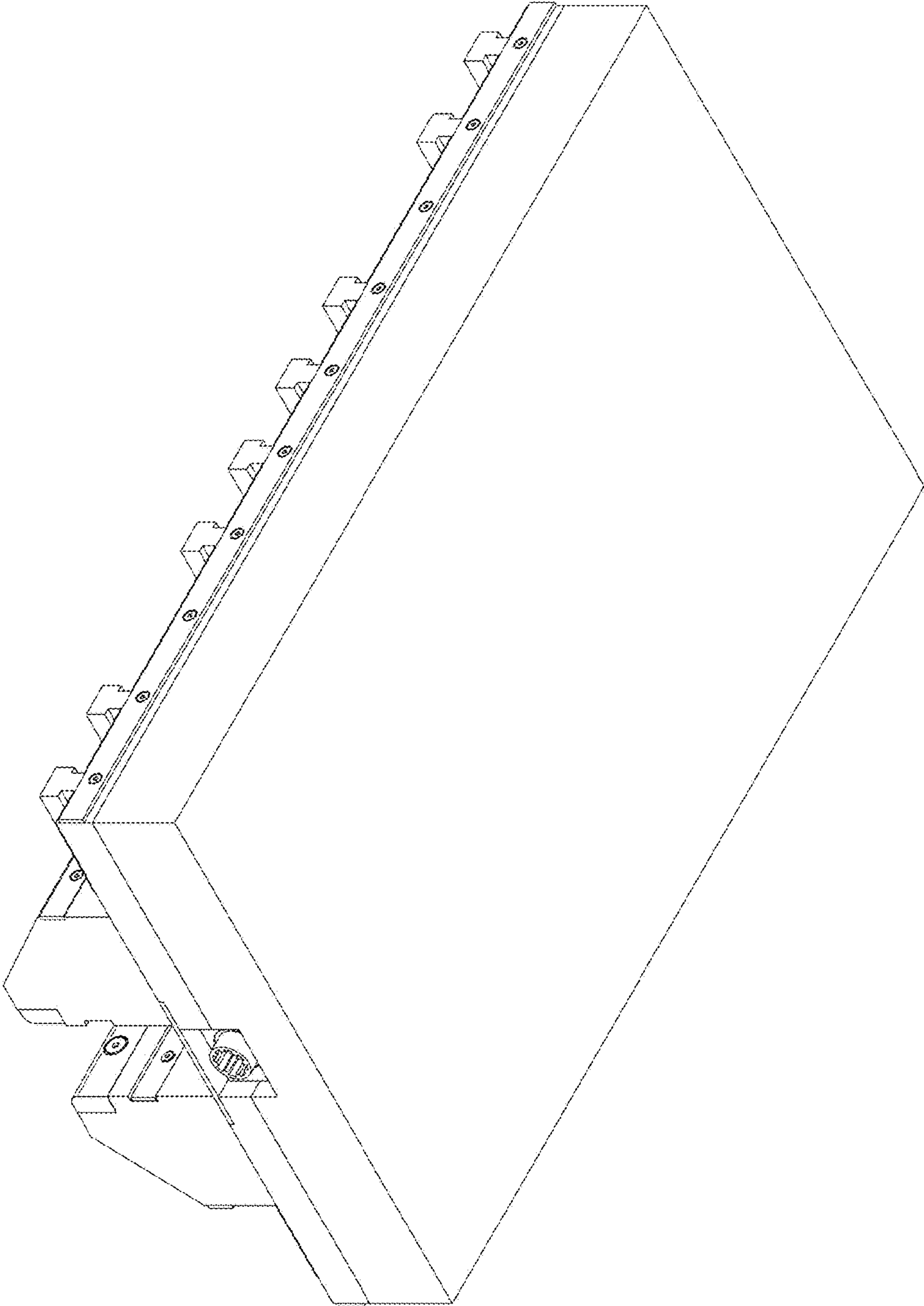


Fig. 3

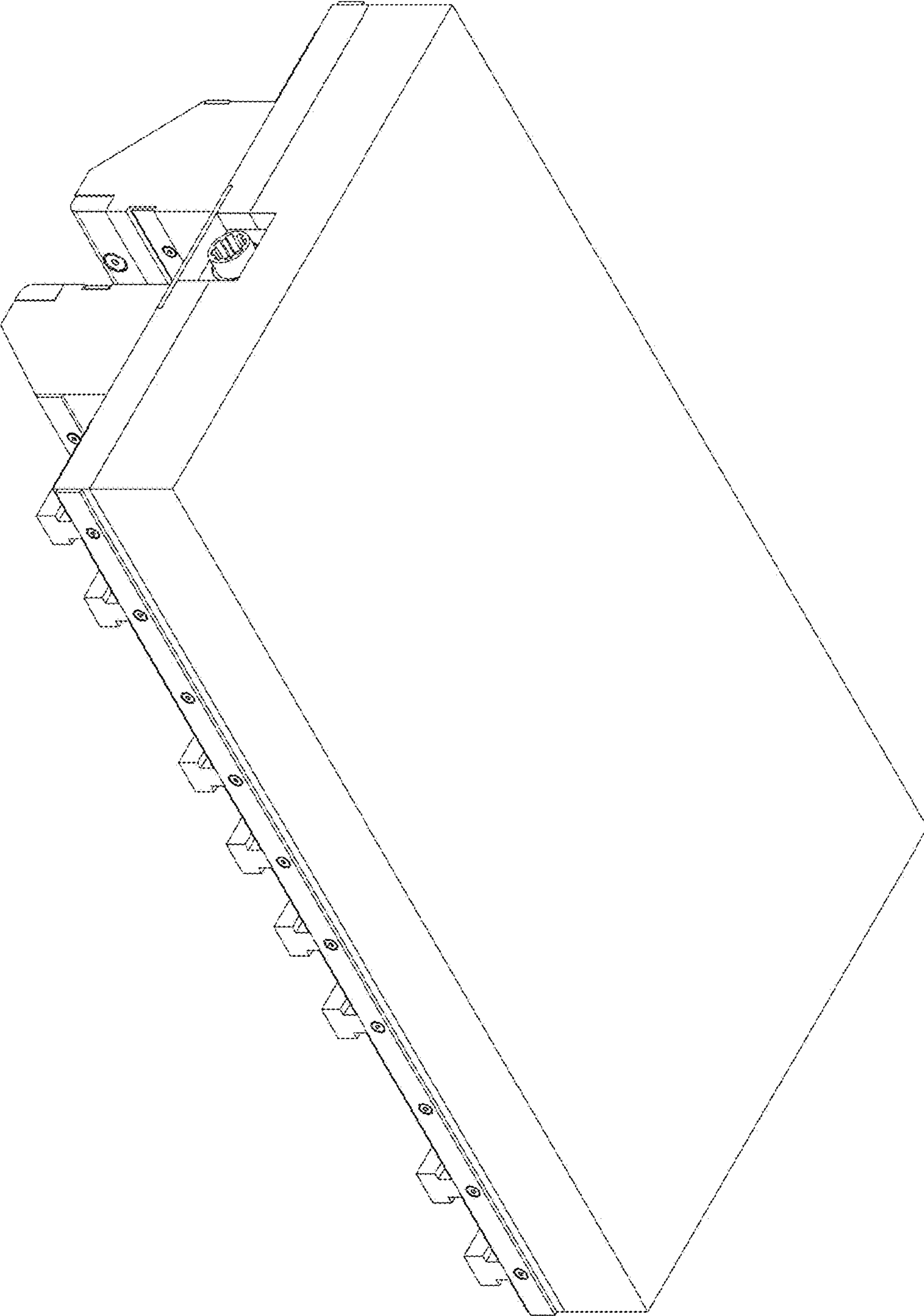


Fig. 4

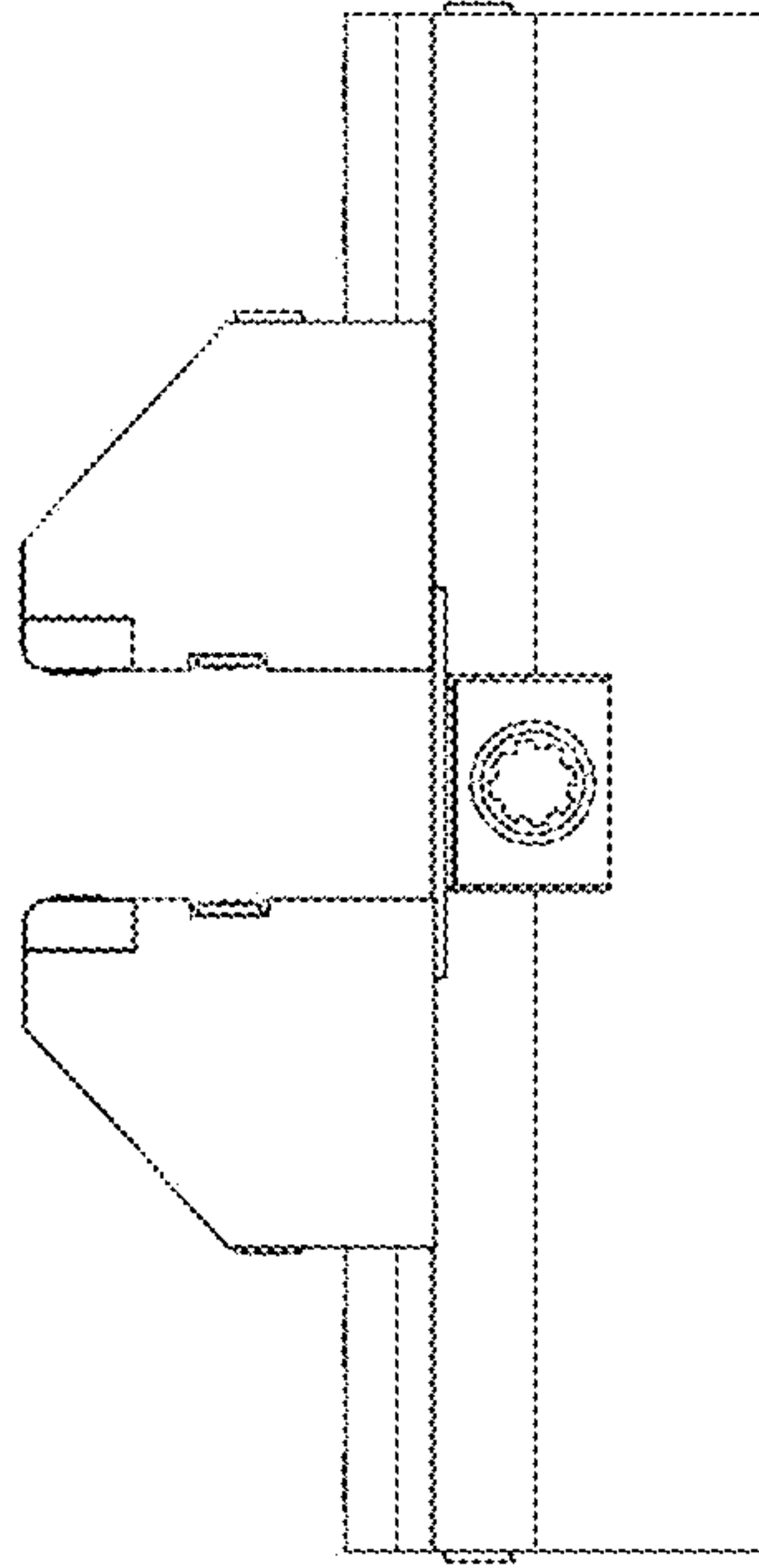


Fig. 6

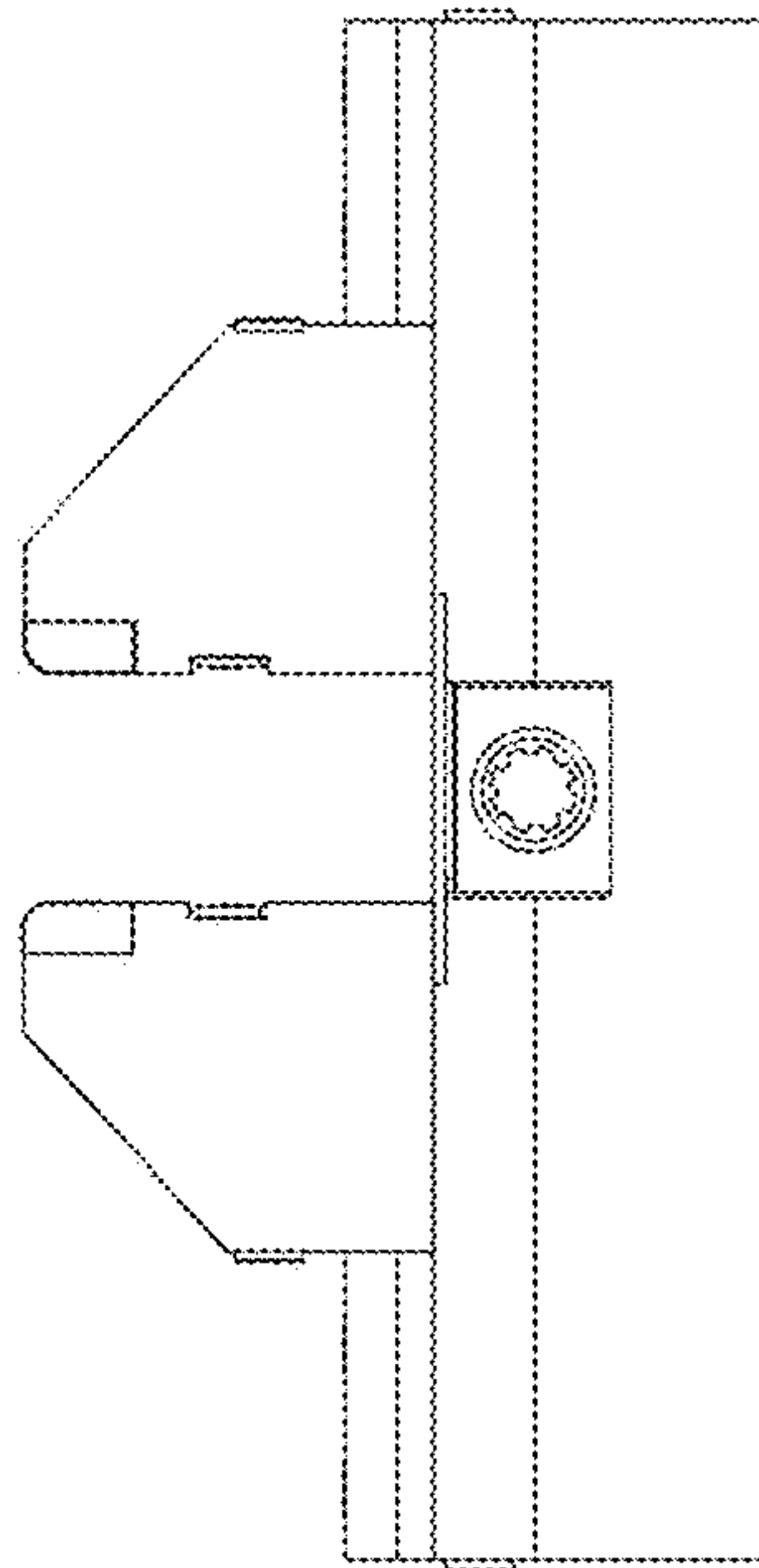


Fig. 5

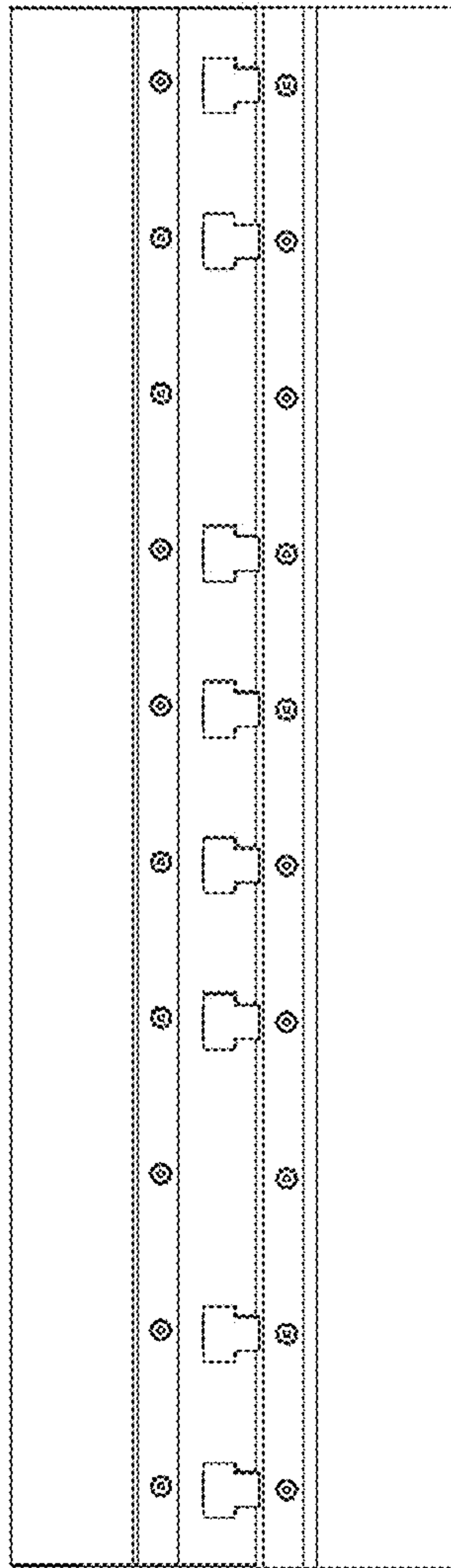


Fig. 7

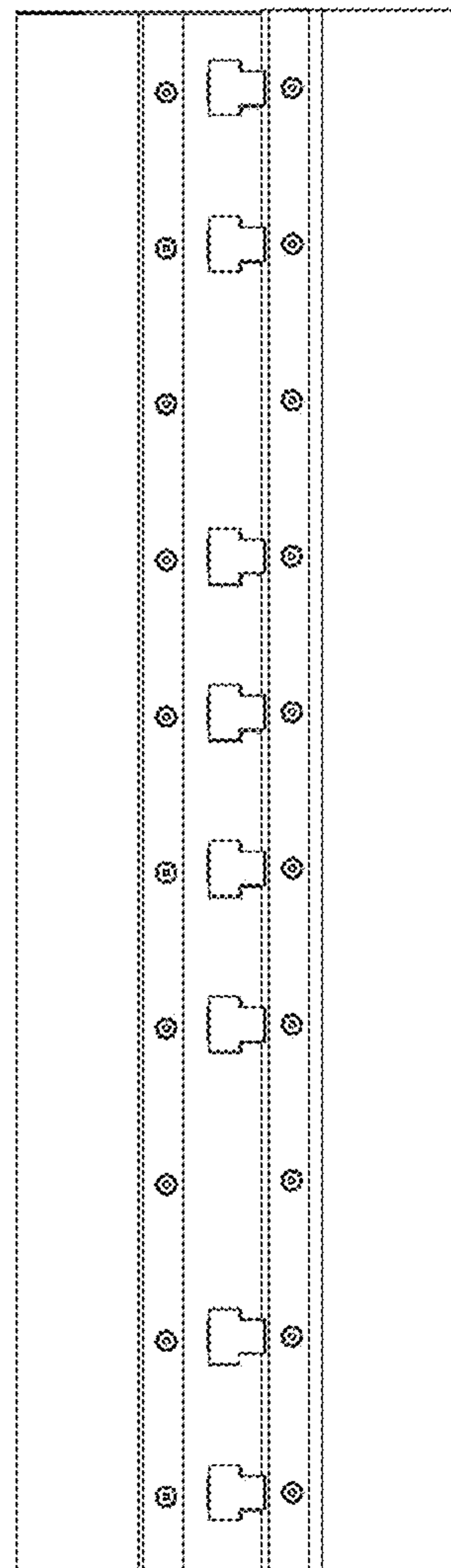


Fig. 8

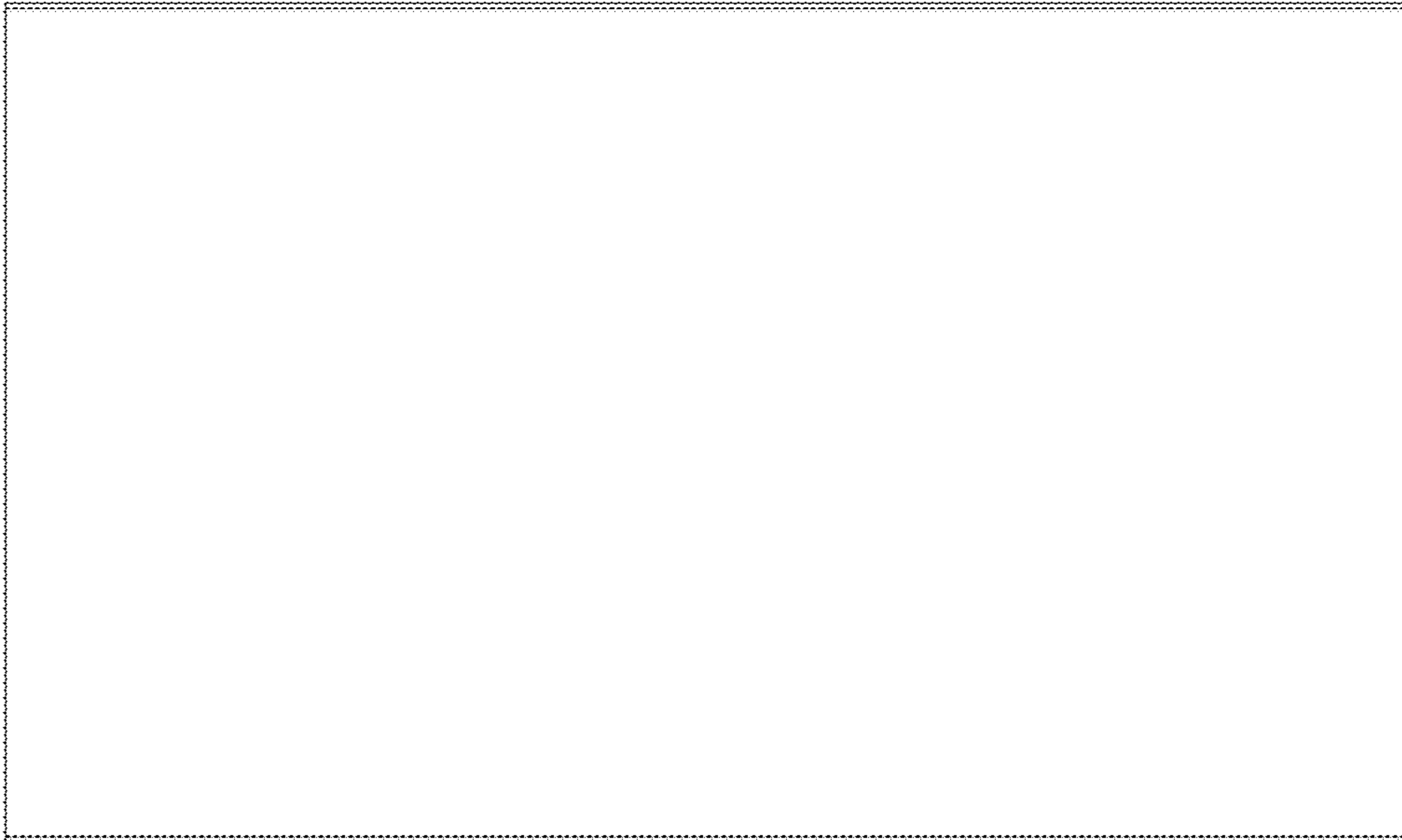


Fig. 10

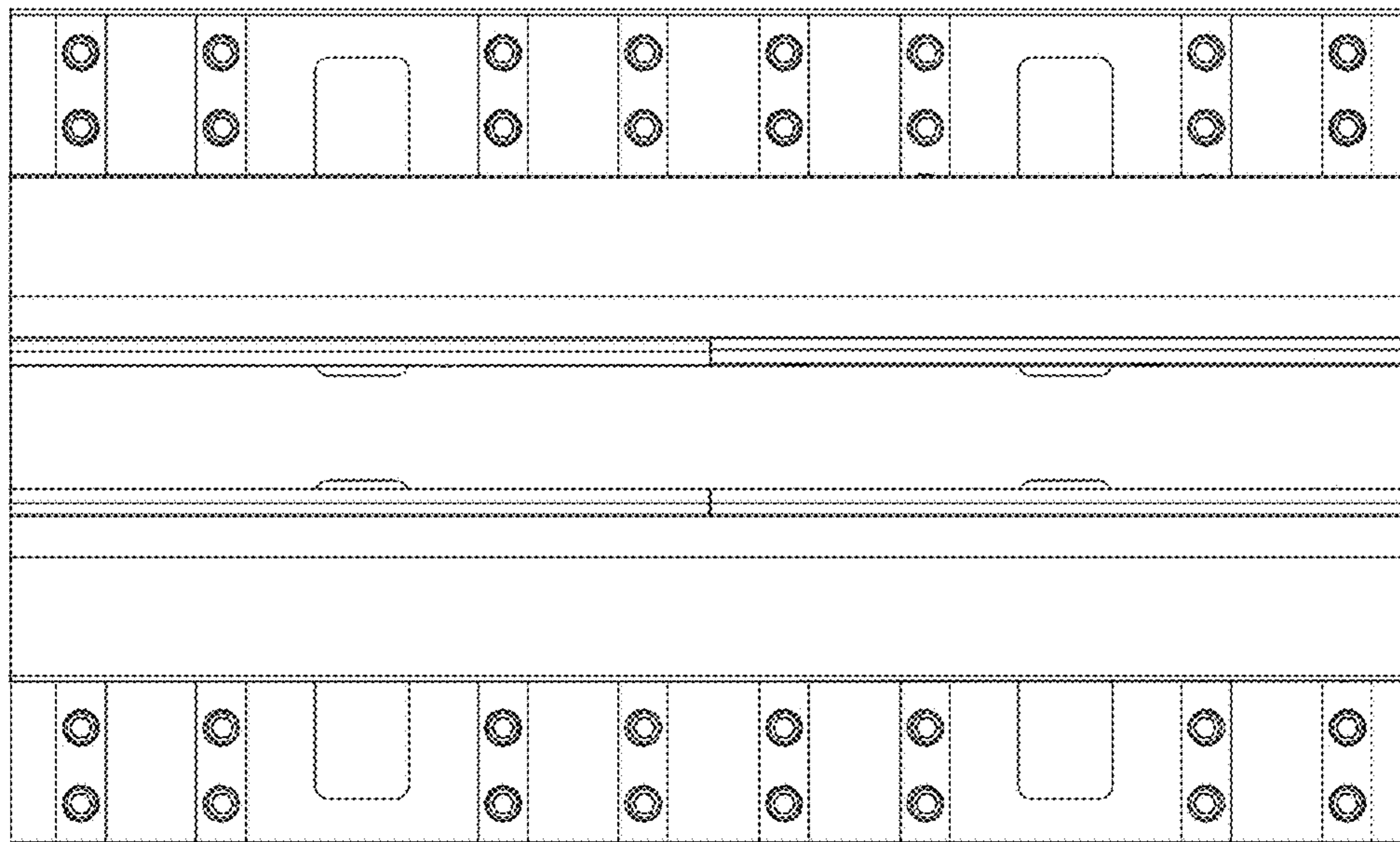


Fig. 9

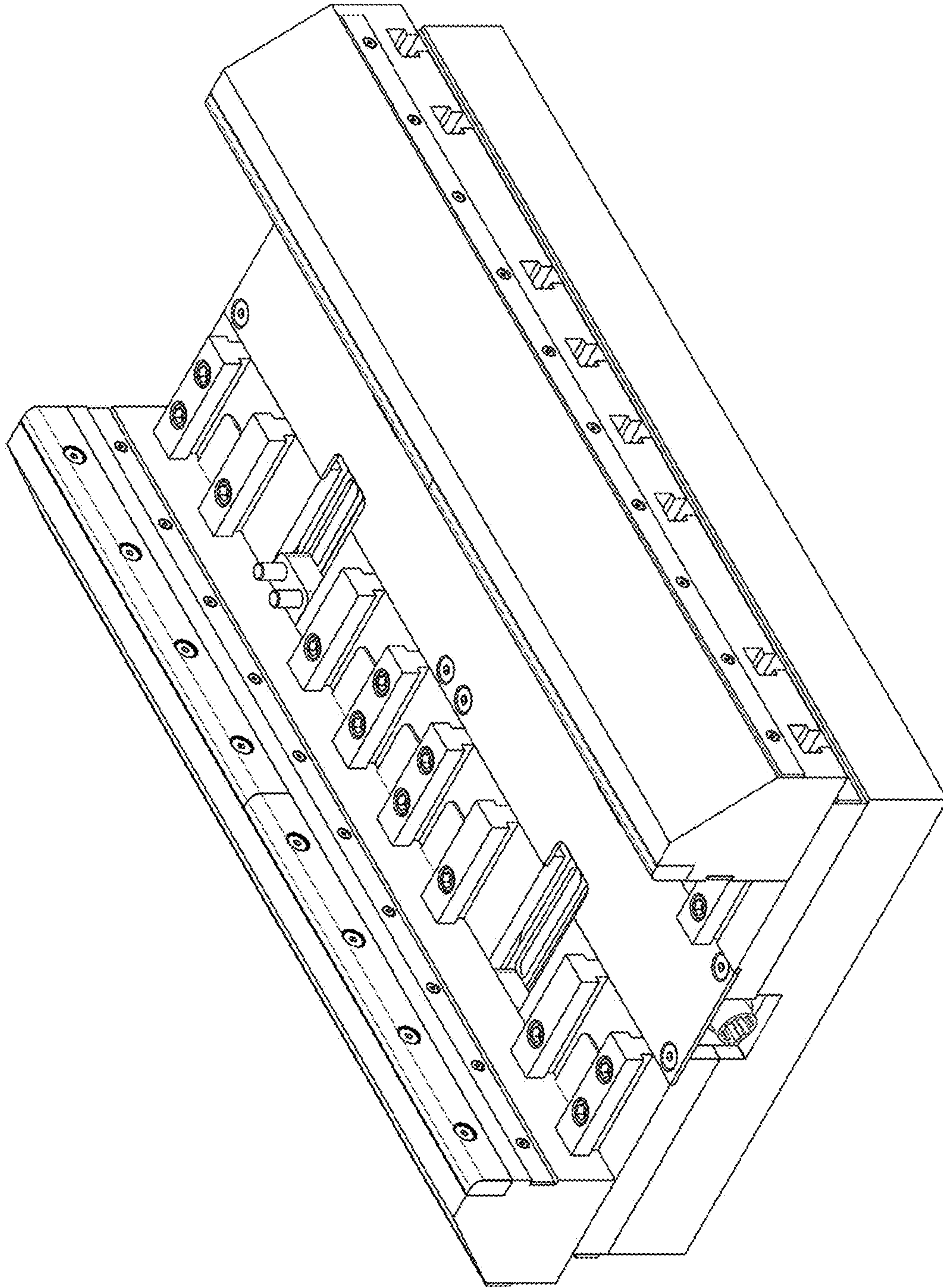


Fig. 11

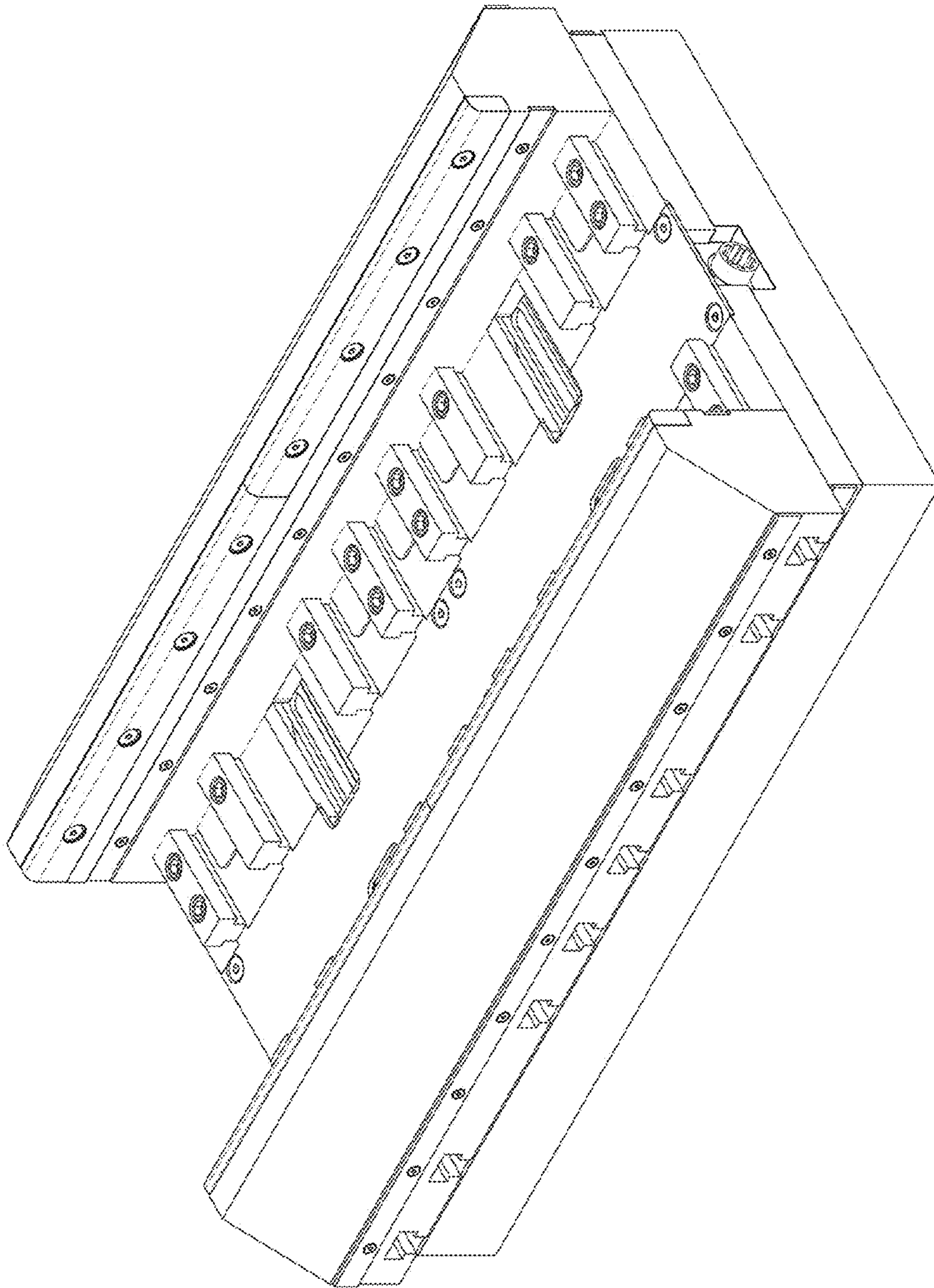


Fig. 12

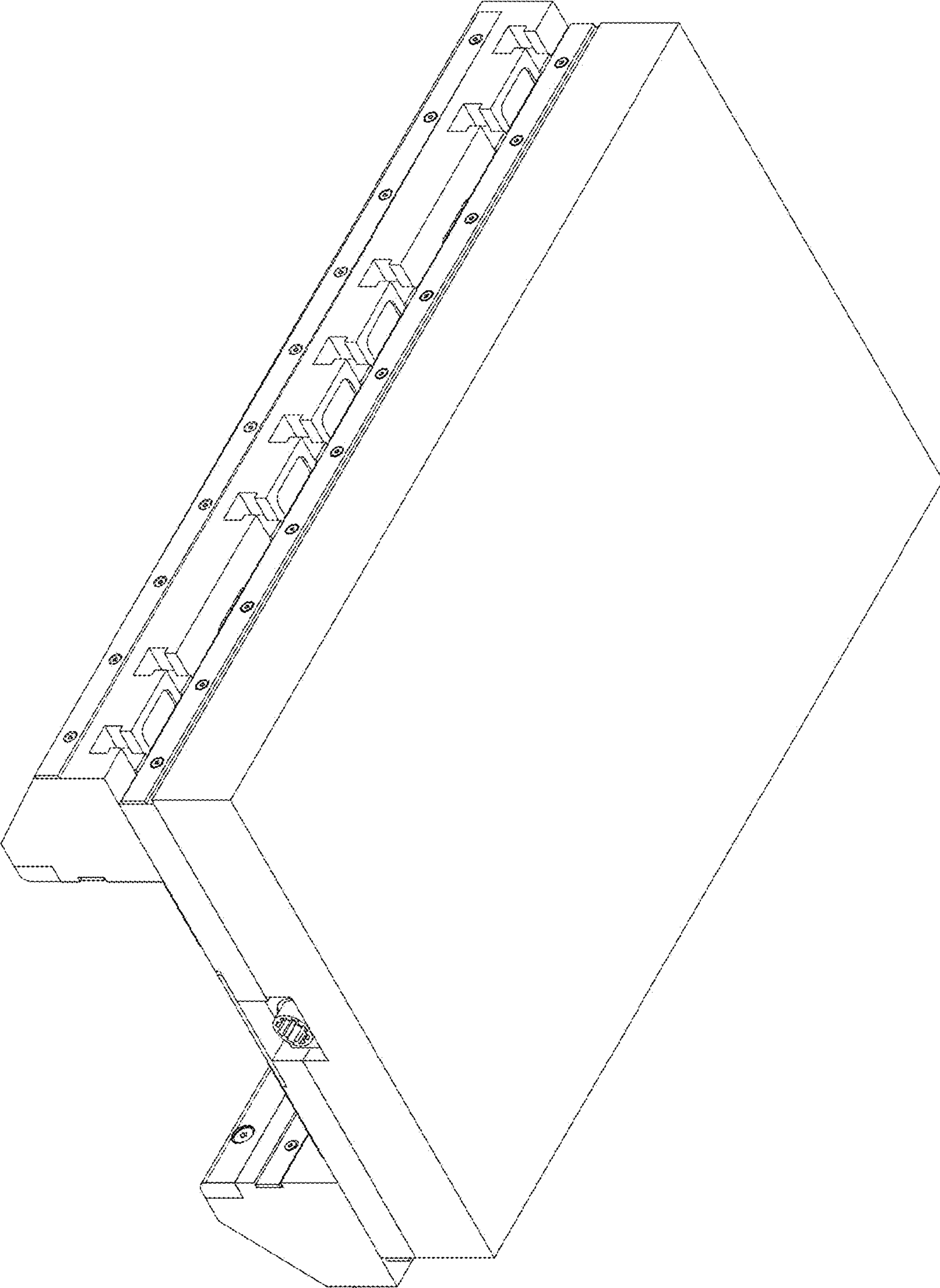


Fig. 13

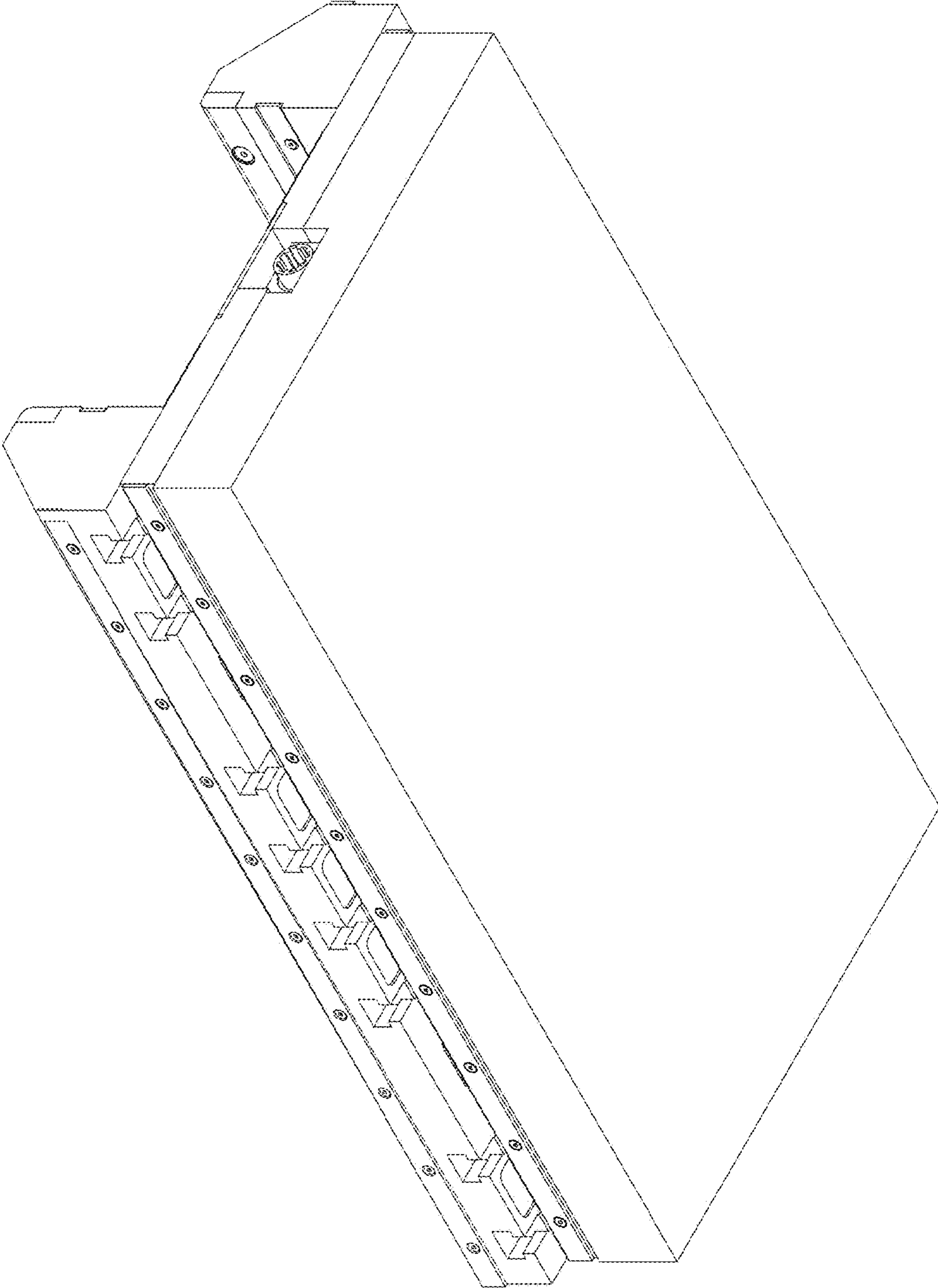


Fig. 14

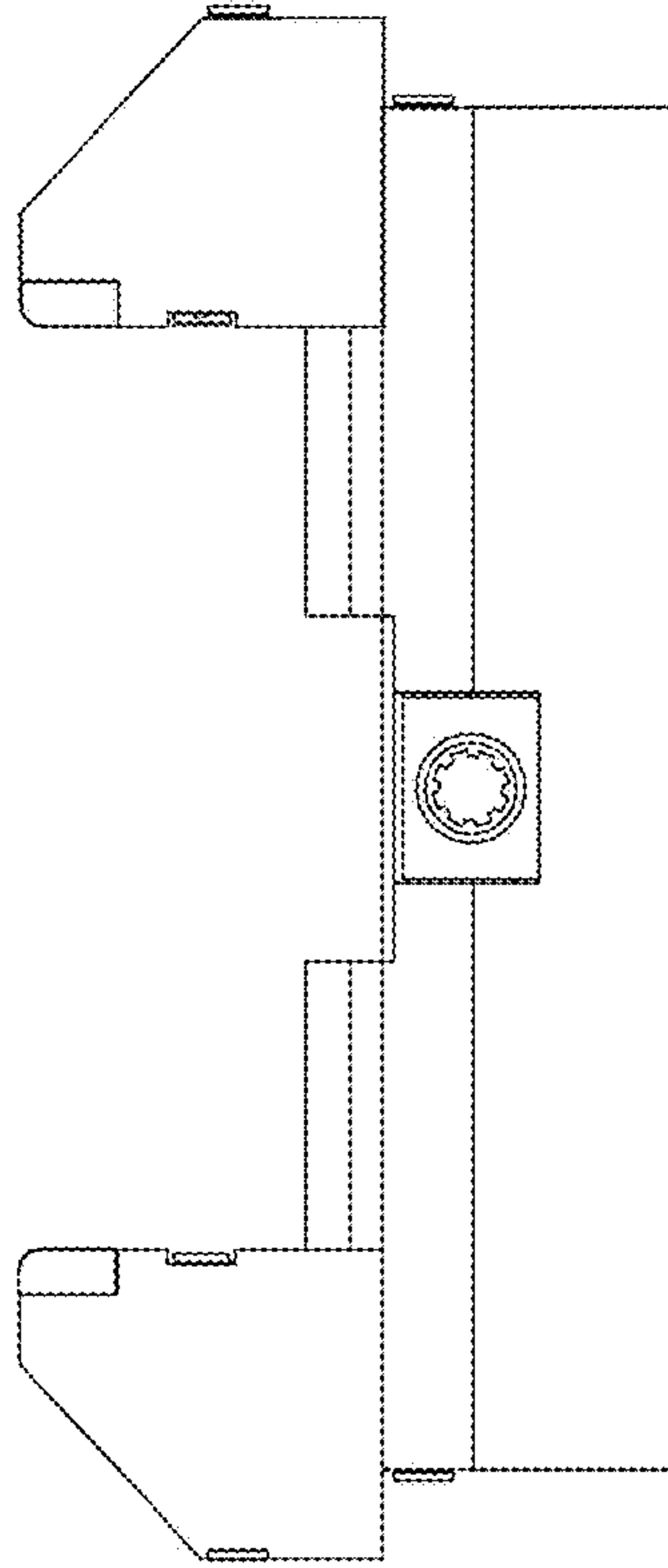


Fig. 16

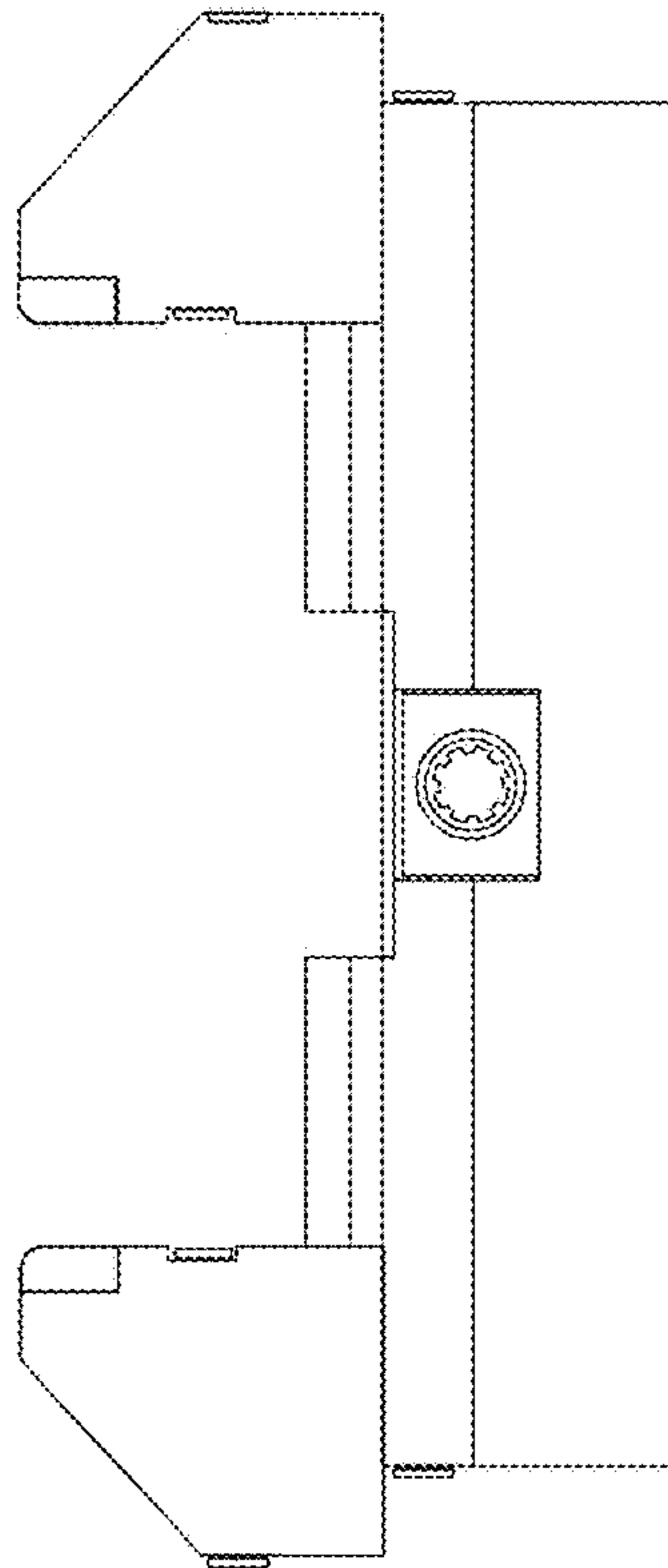


Fig. 15

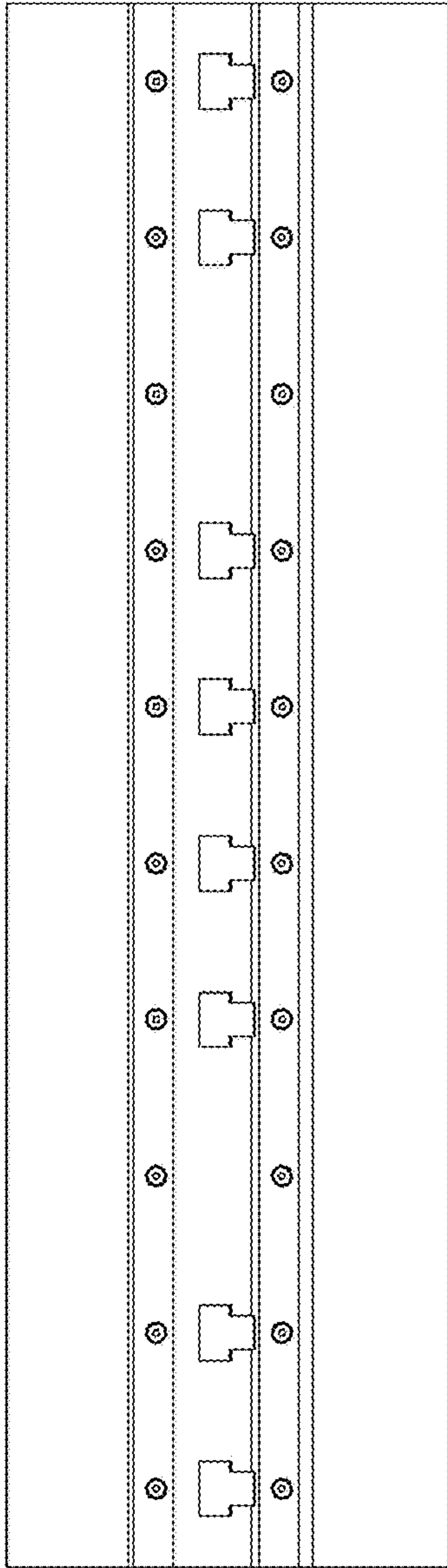


Fig. 17

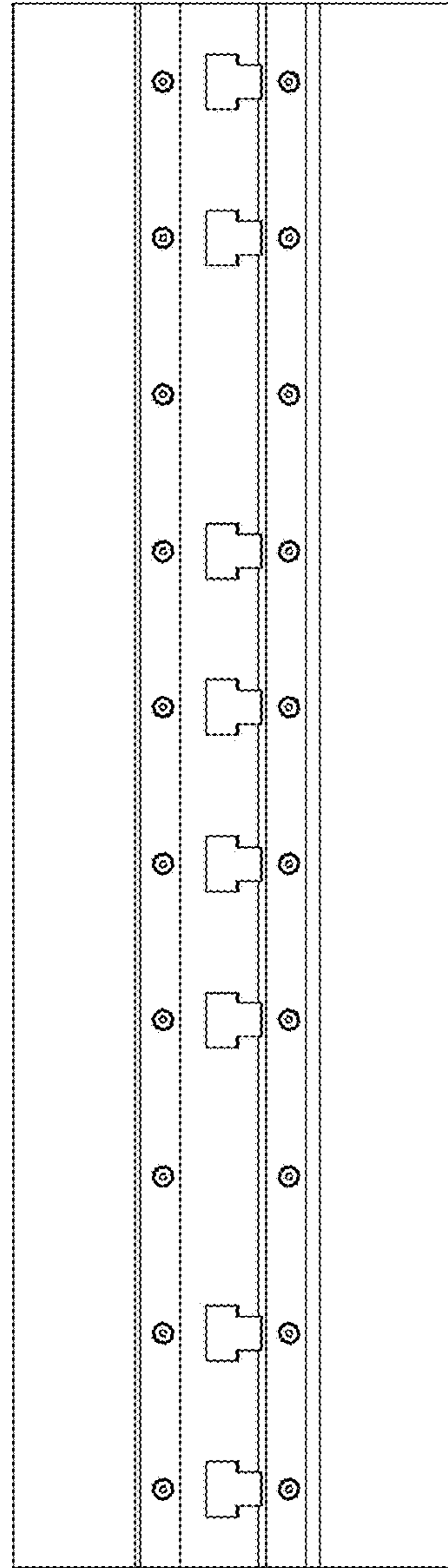


Fig. 18

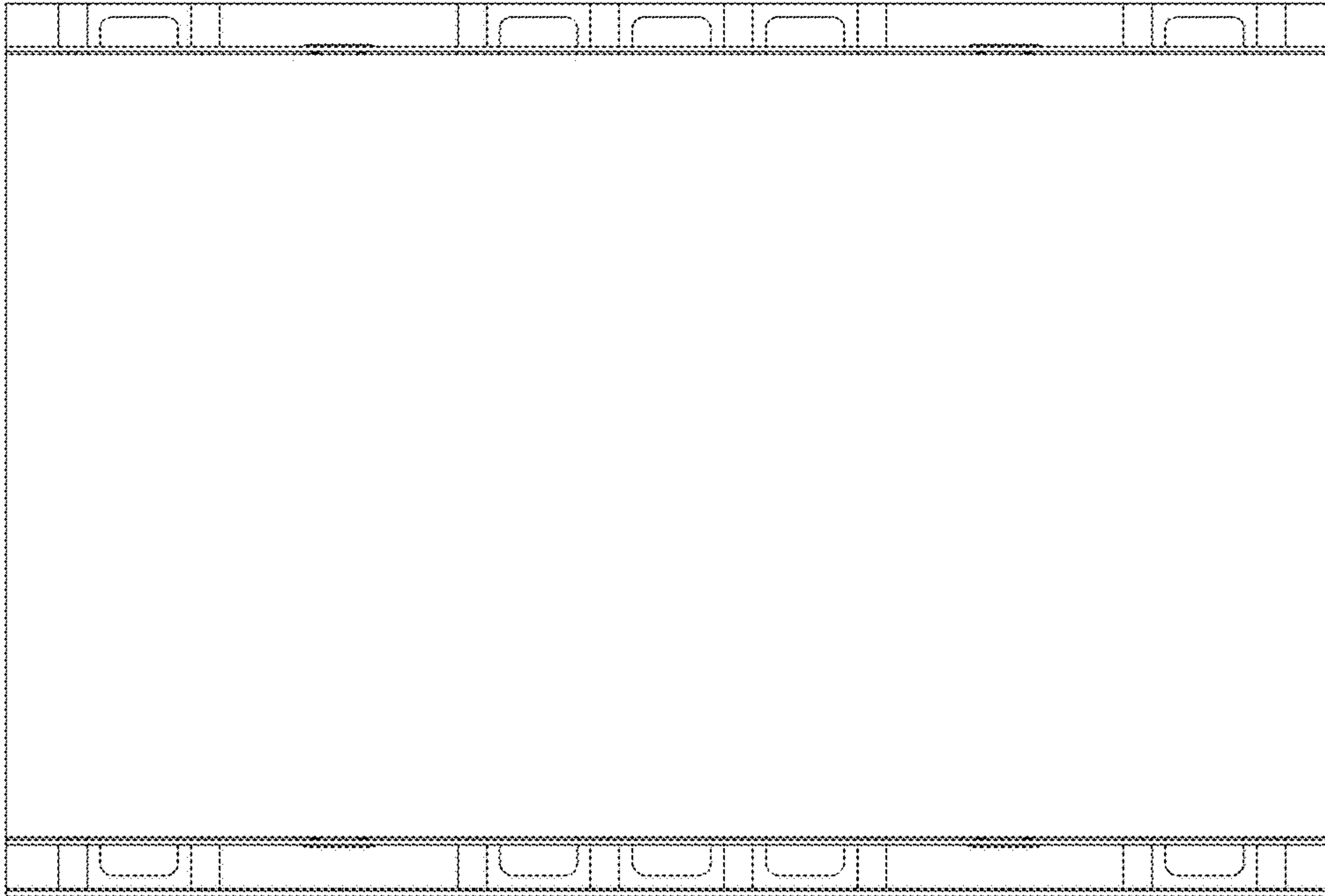


Fig. 20

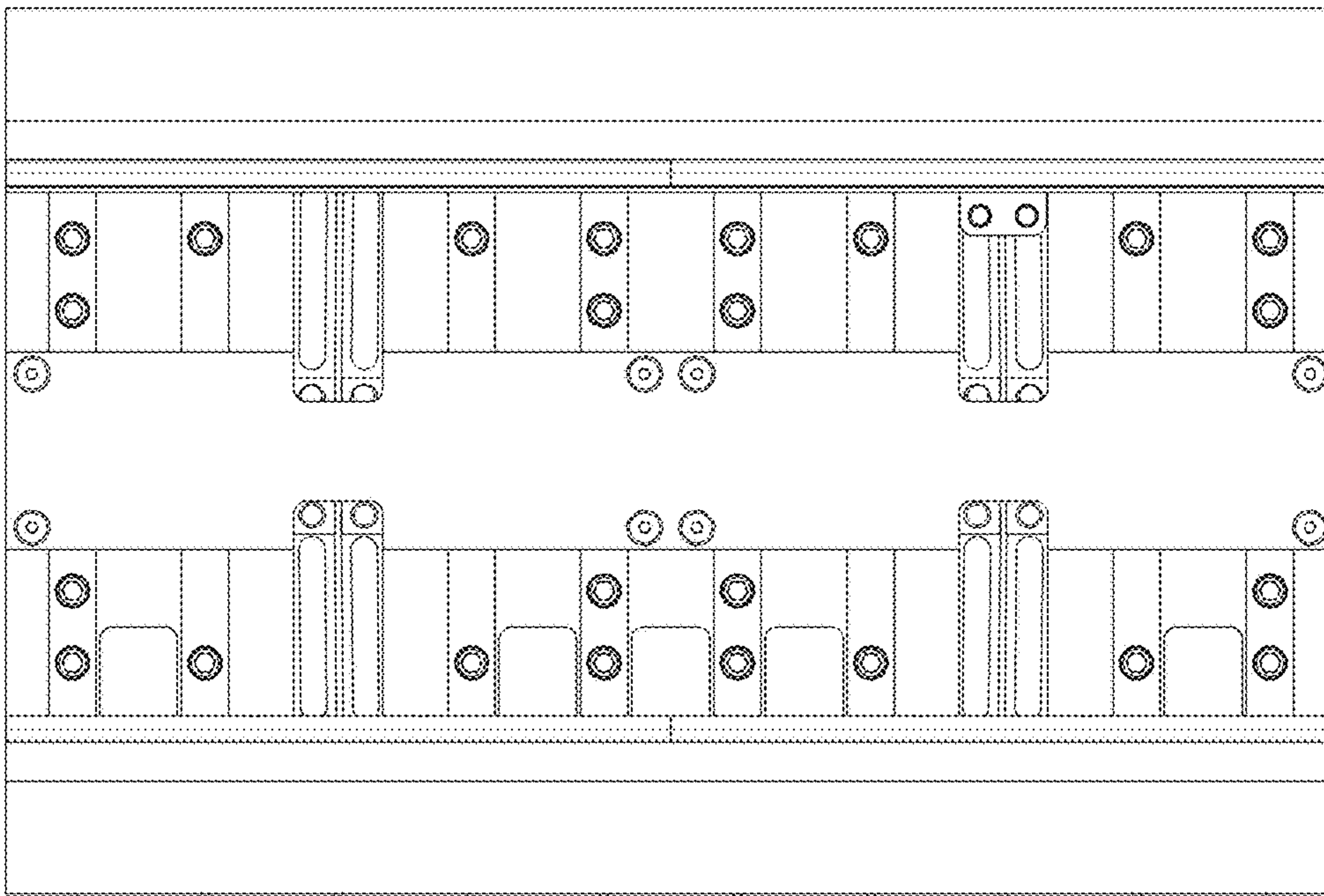


Fig. 19

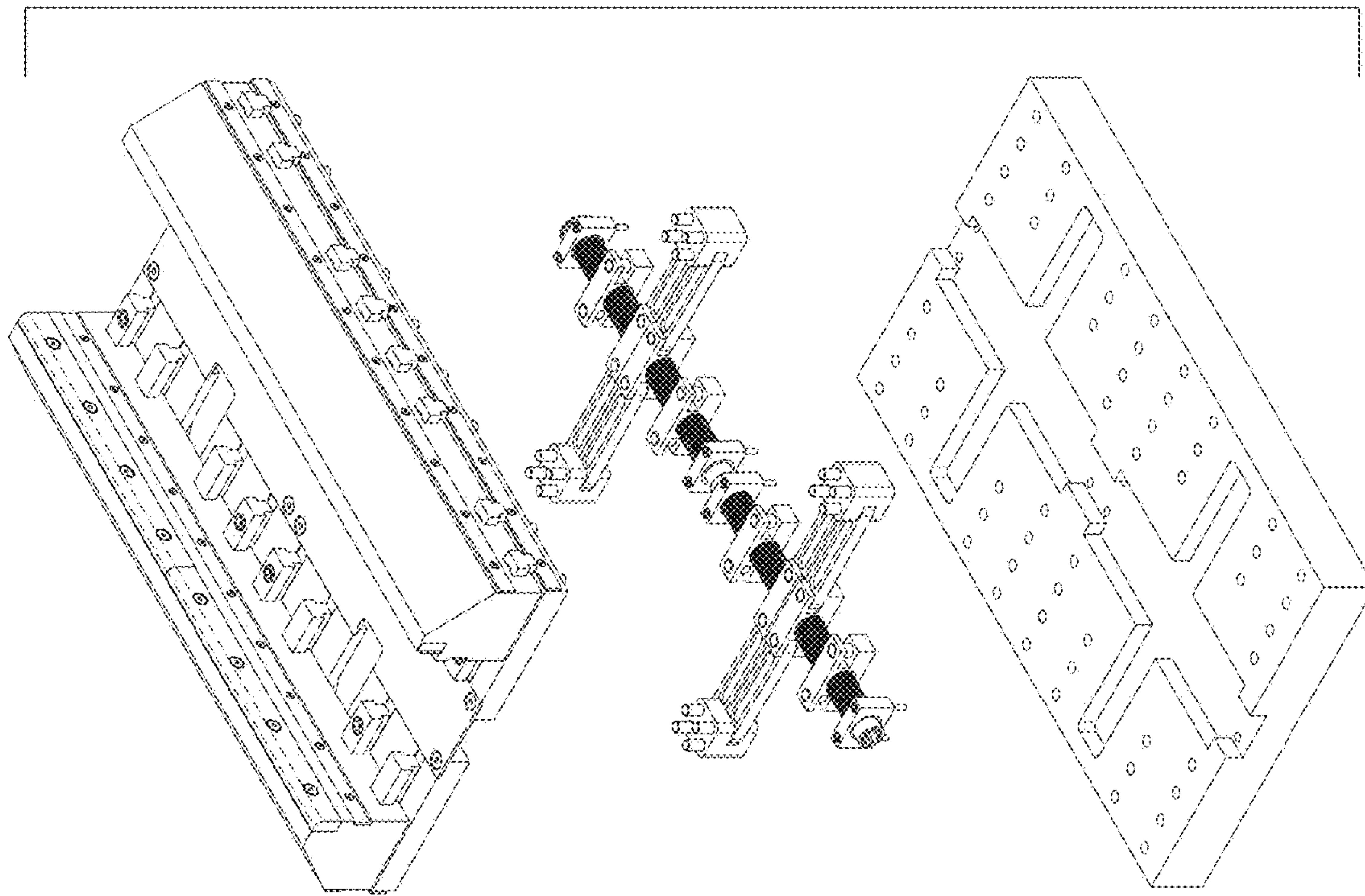


Fig. 21

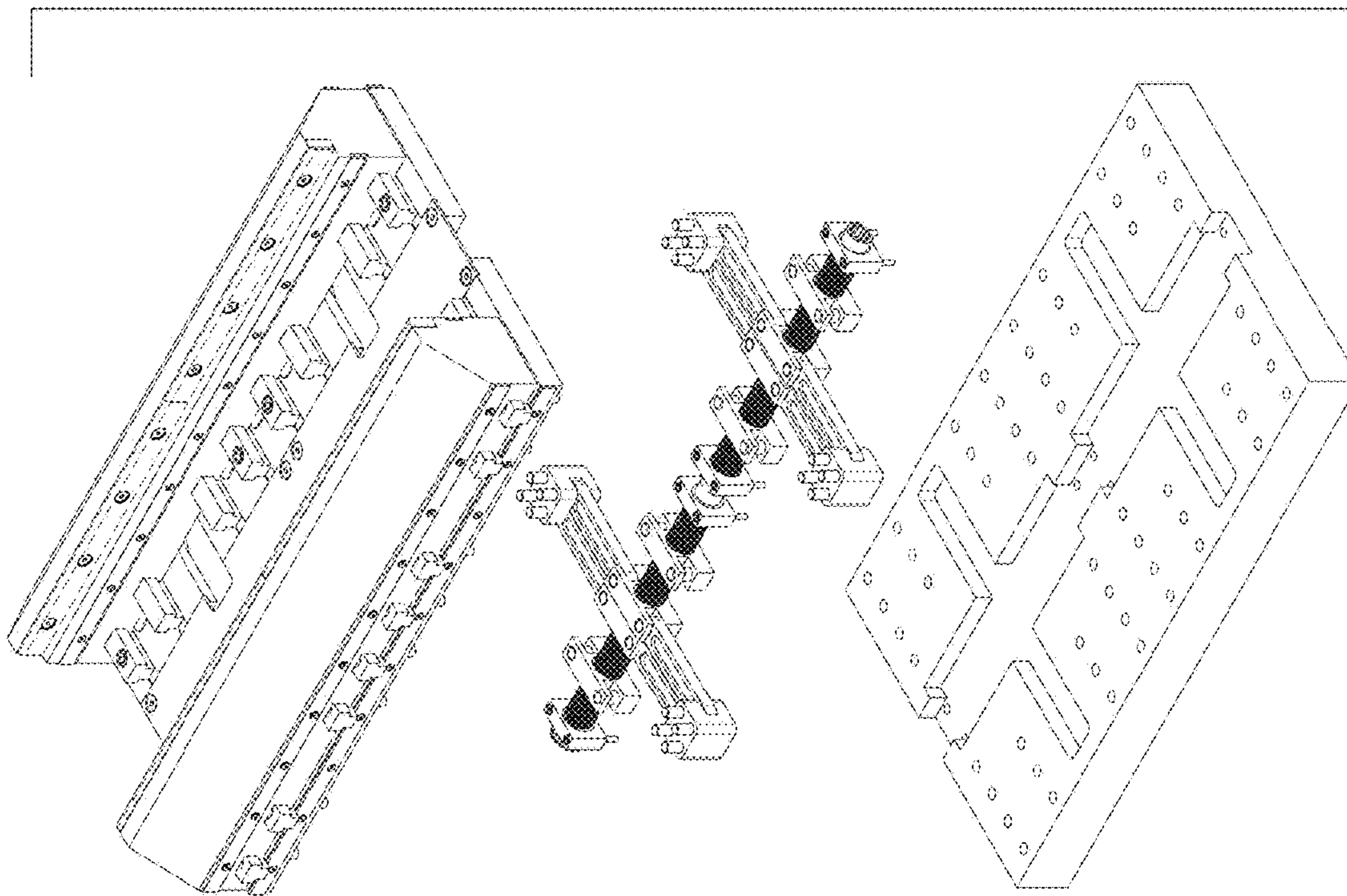


Fig. 22

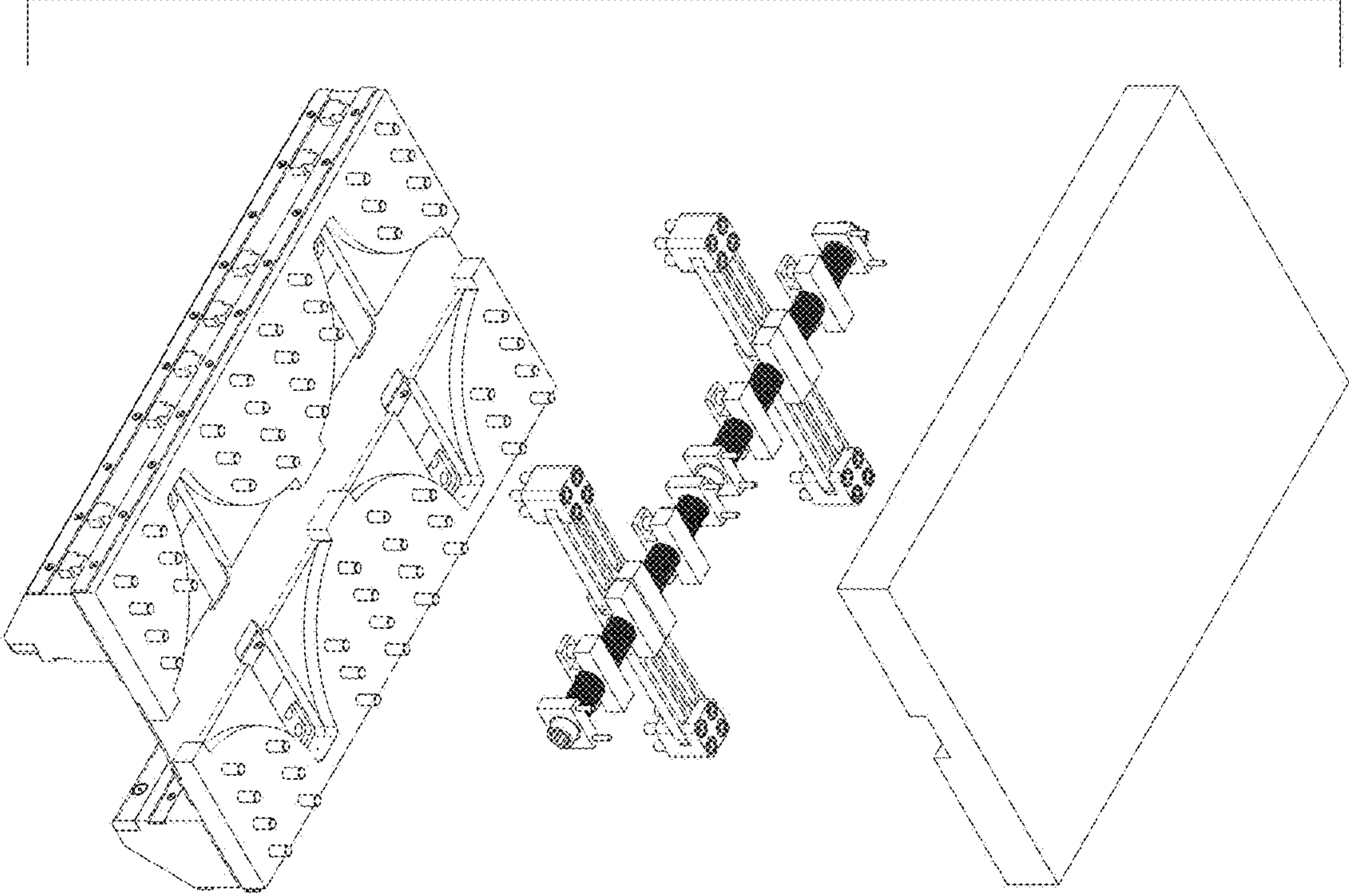


Fig. 23

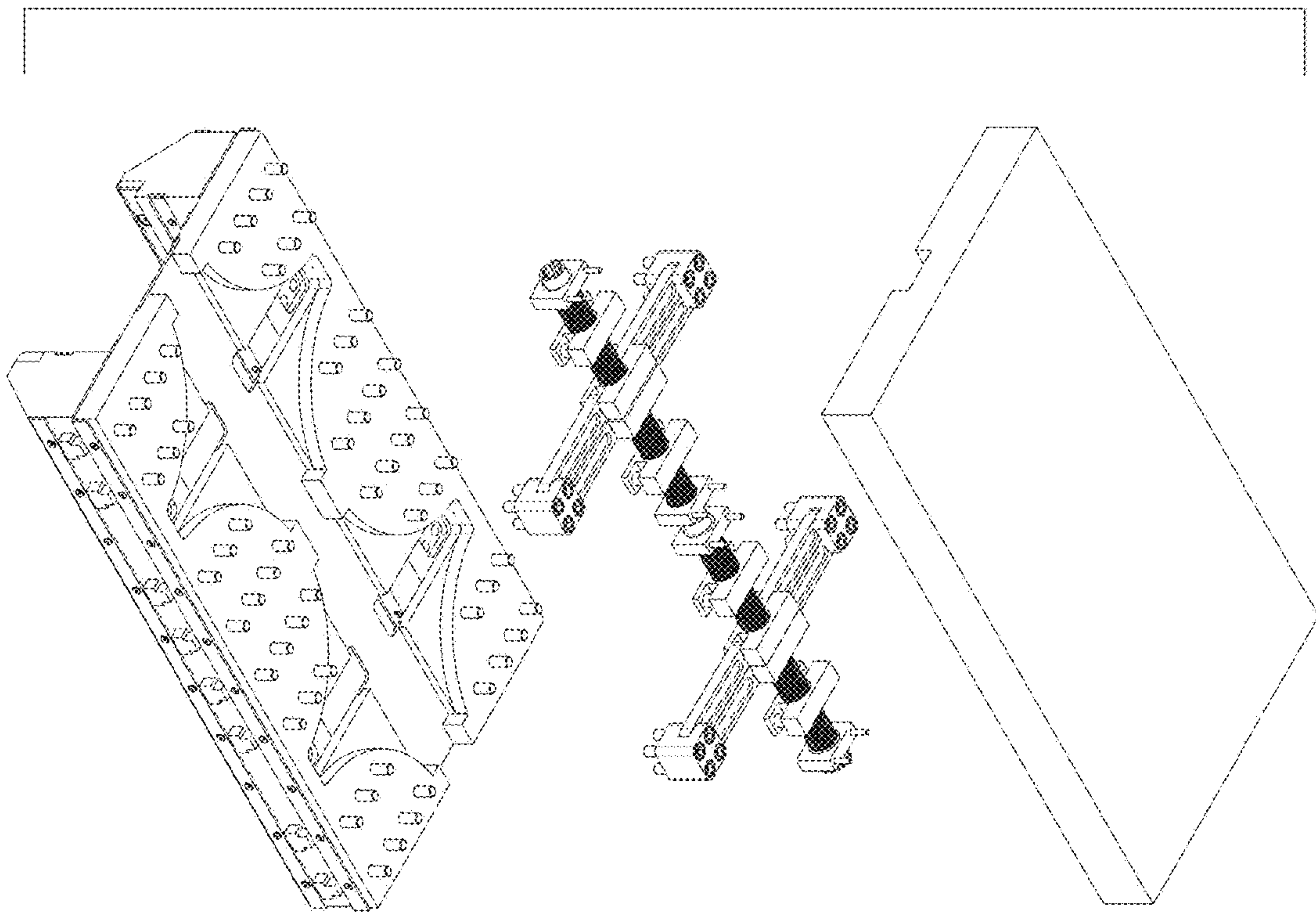


Fig. 24

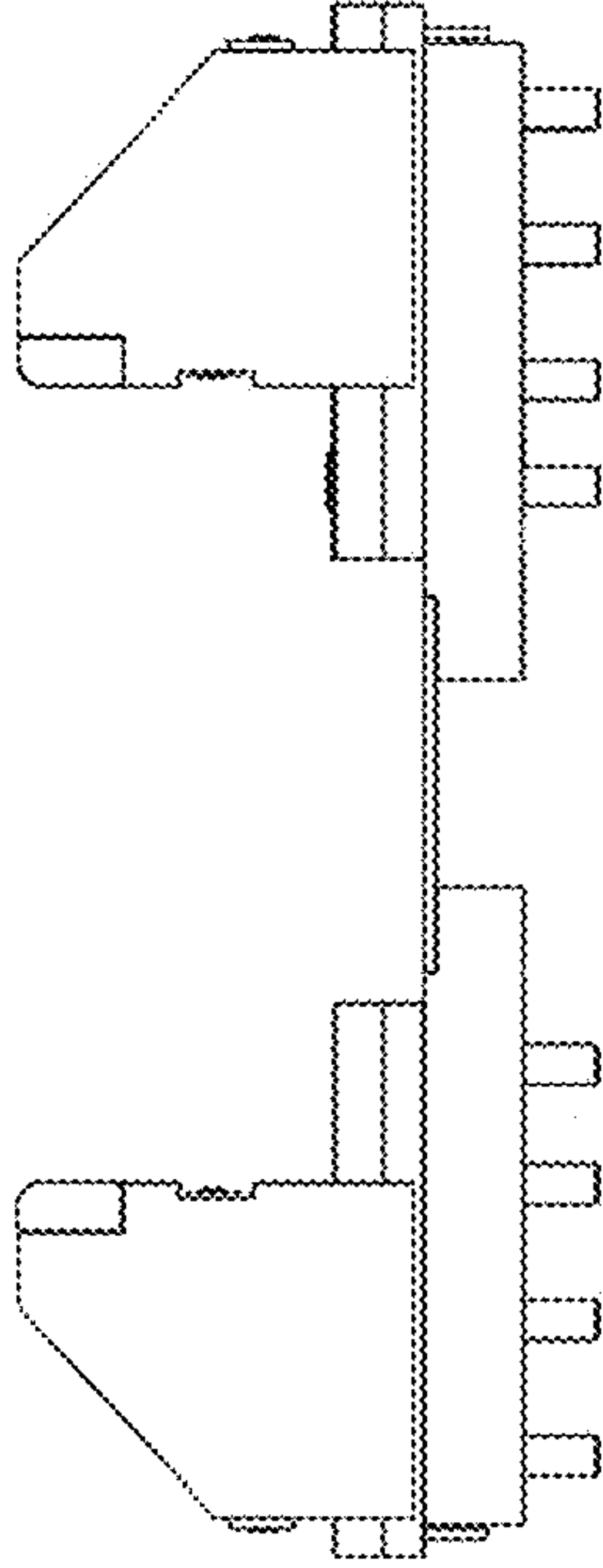


Fig. 26

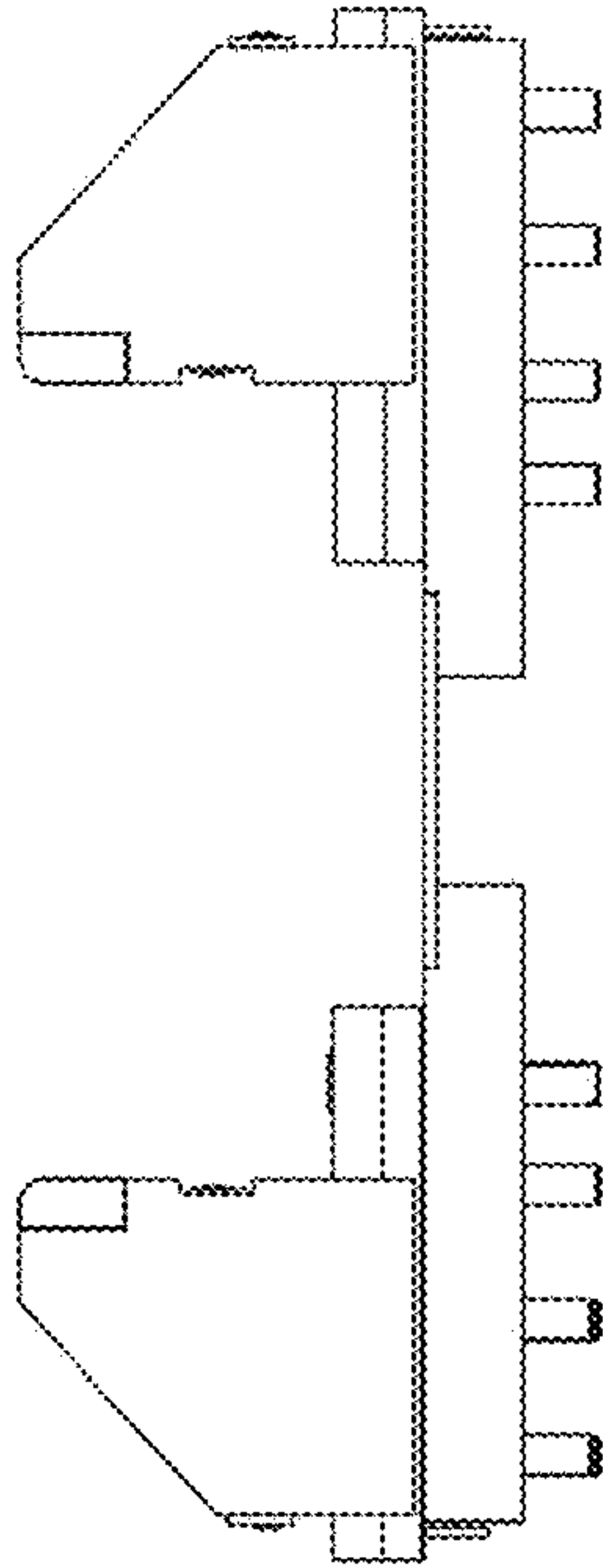


Fig. 25

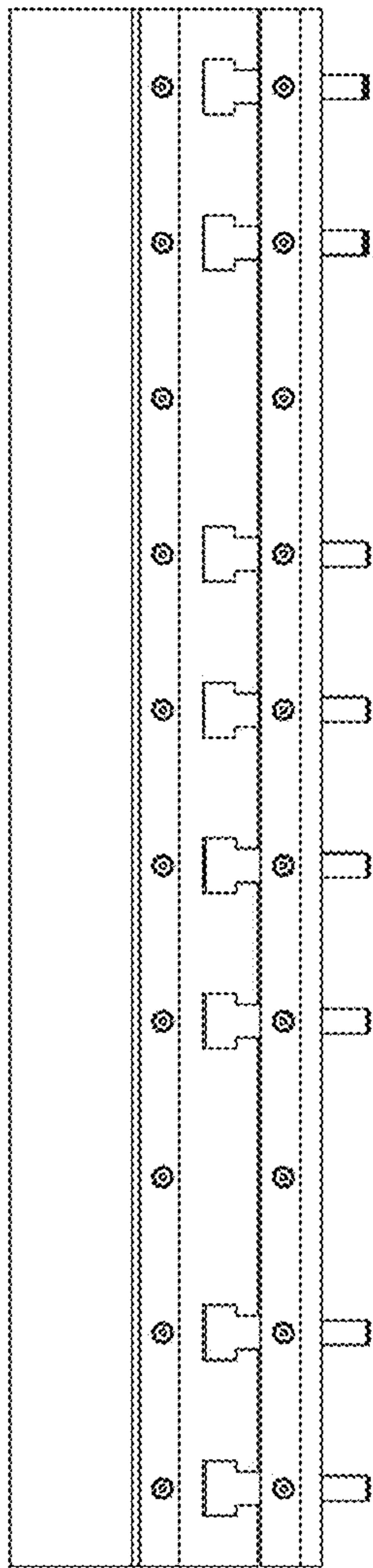


Fig. 27

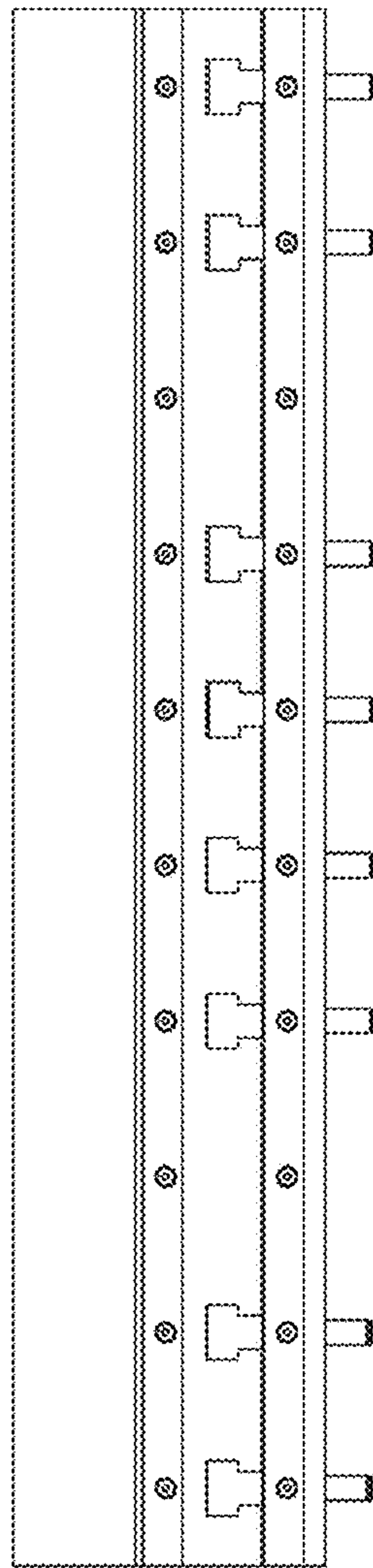


Fig. 28

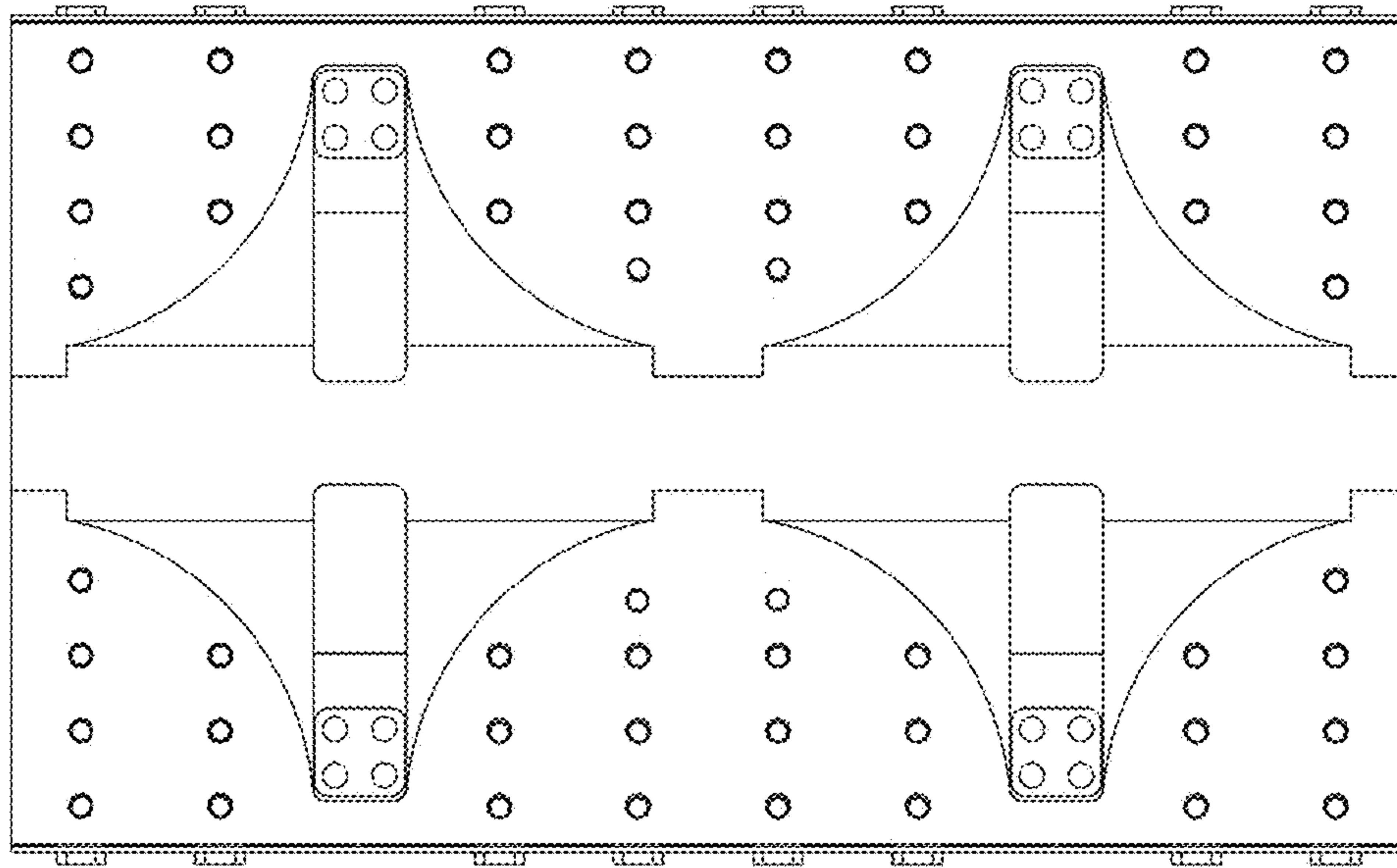


Fig. 30

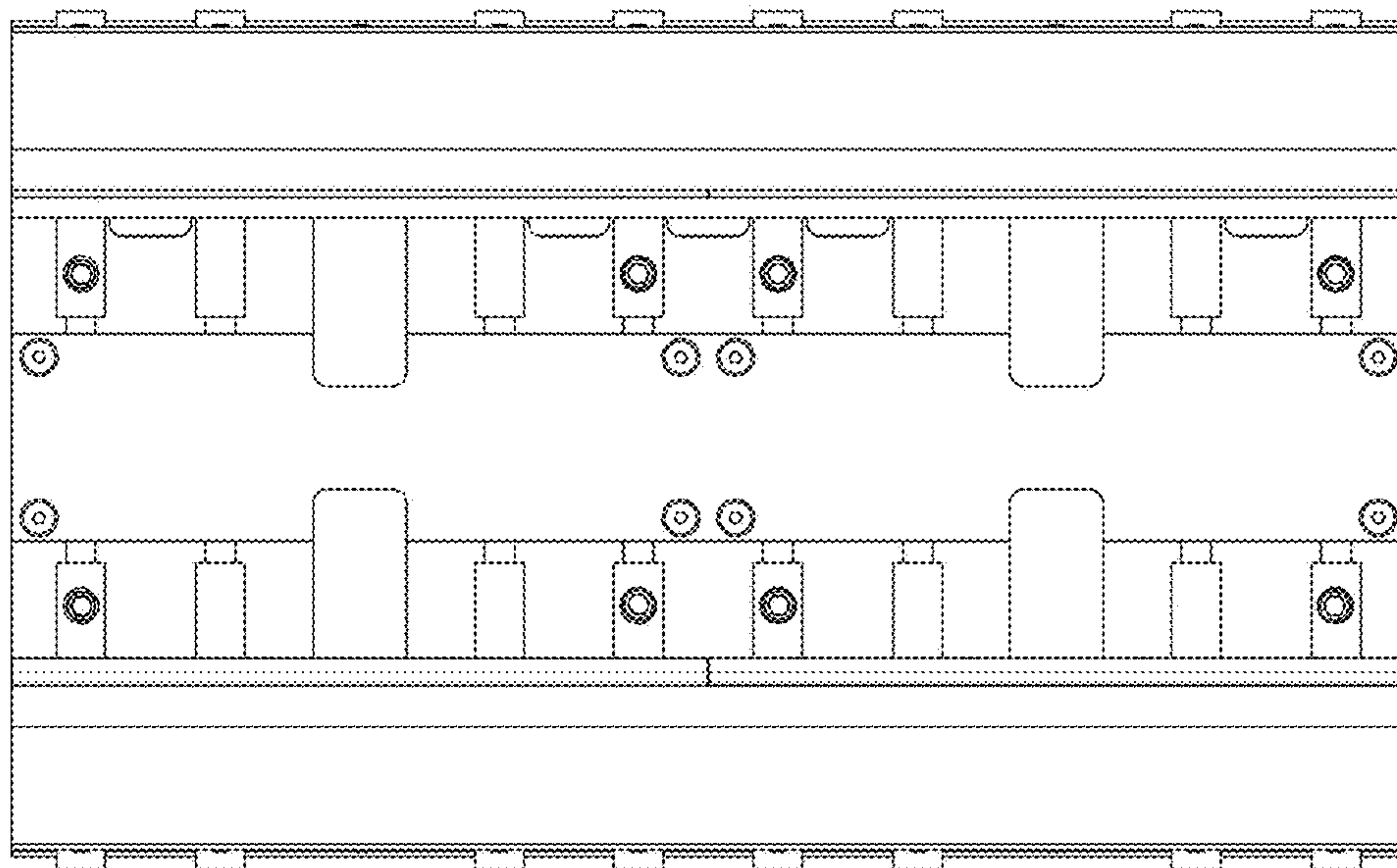


Fig. 29

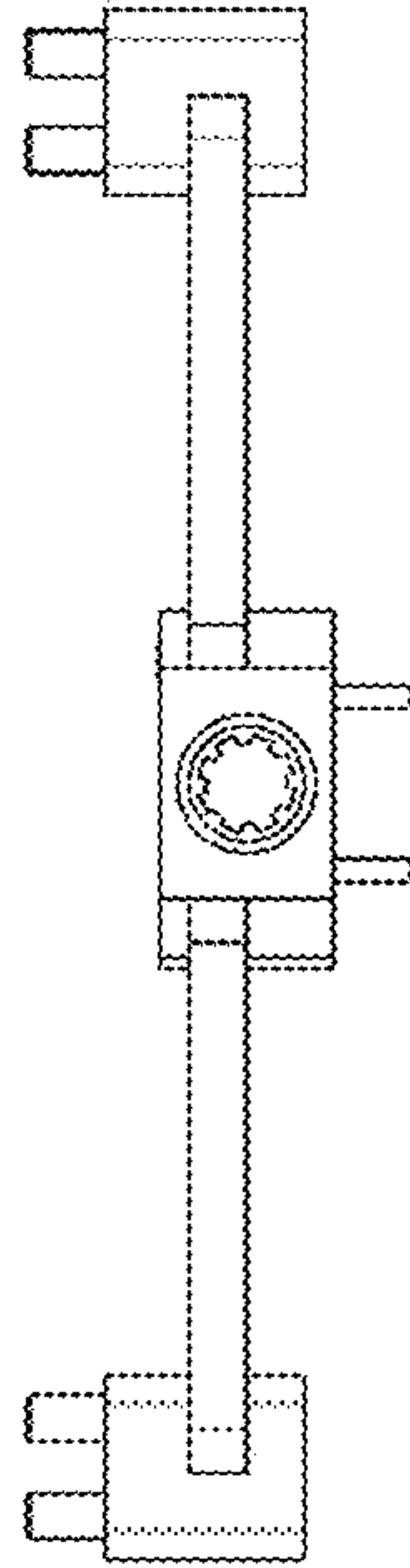


Fig. 32

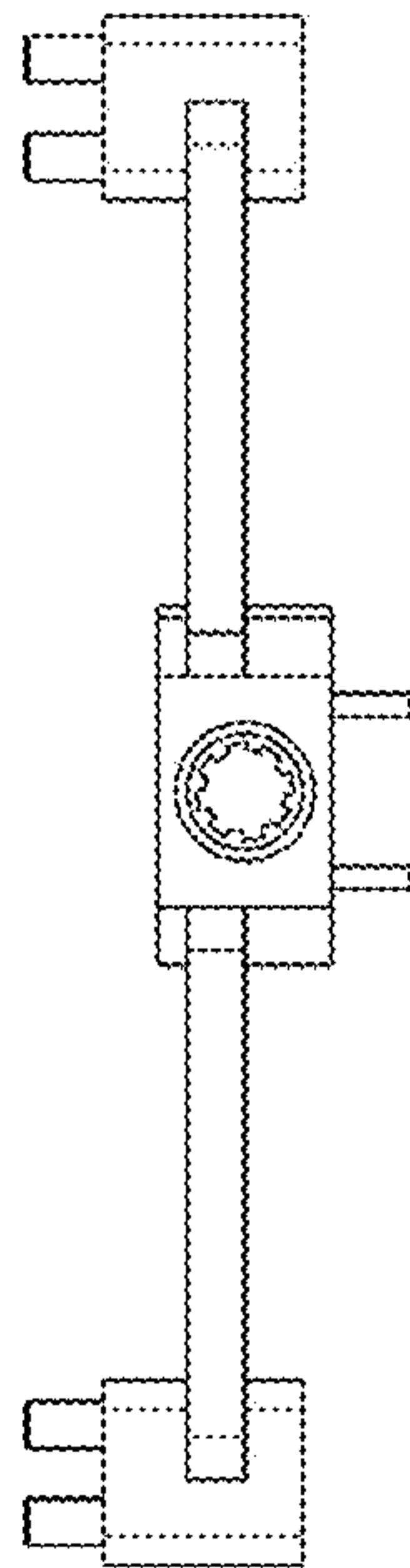


Fig. 31

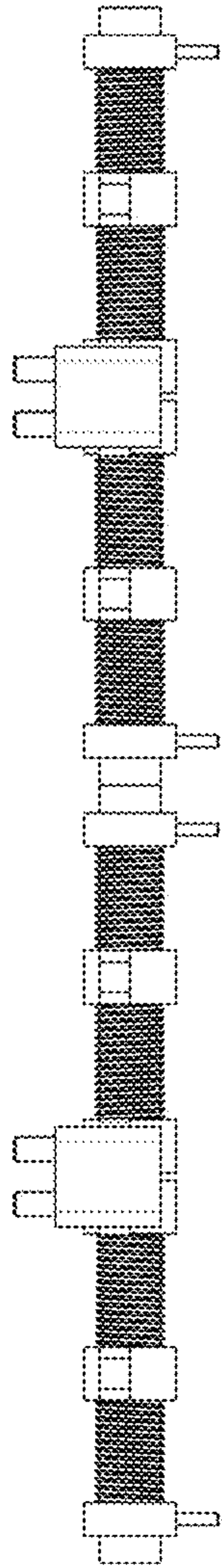


Fig. 33

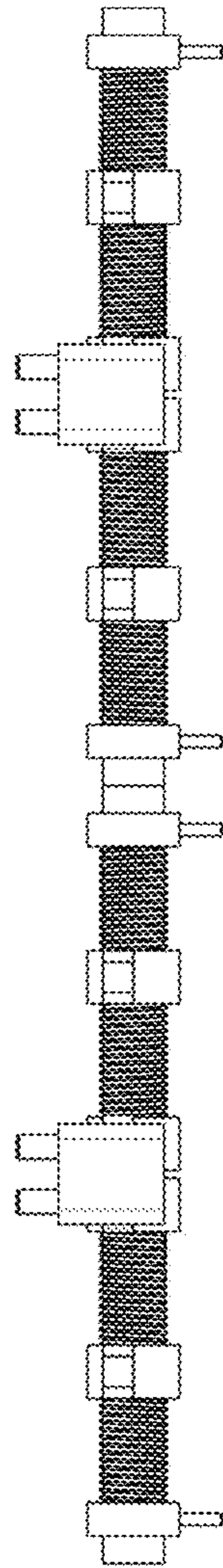


Fig. 34

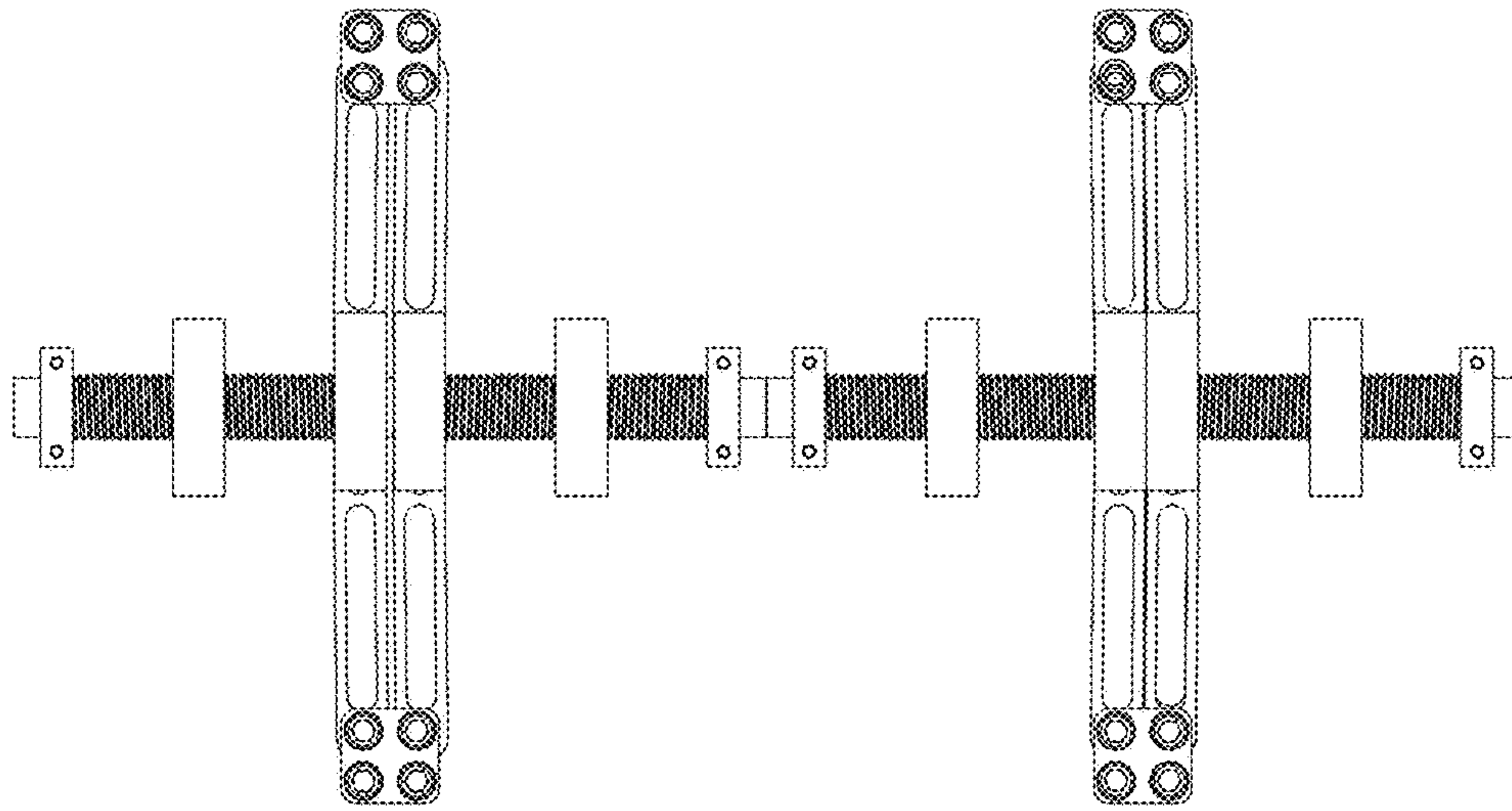


Fig. 36

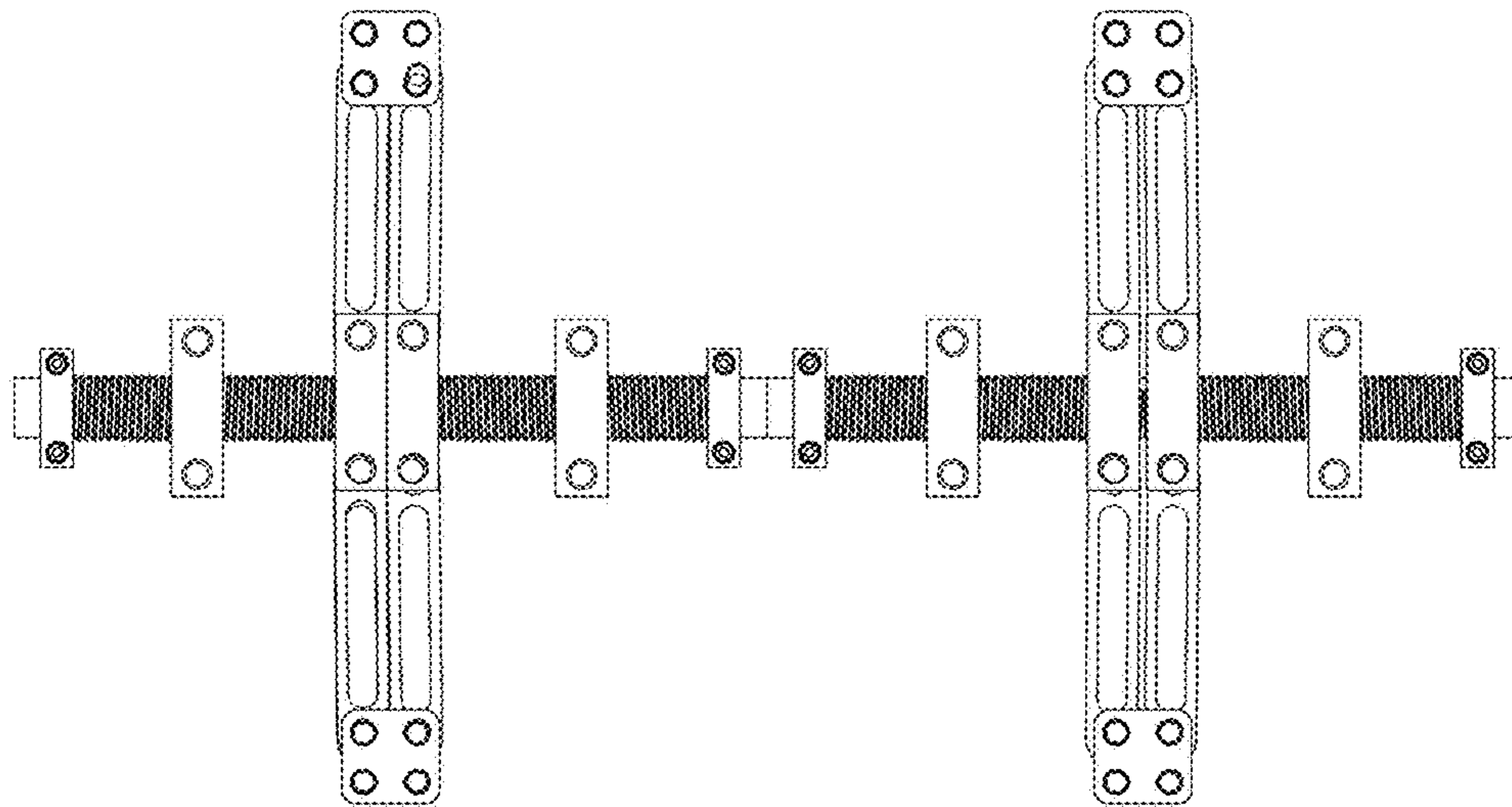


Fig. 35

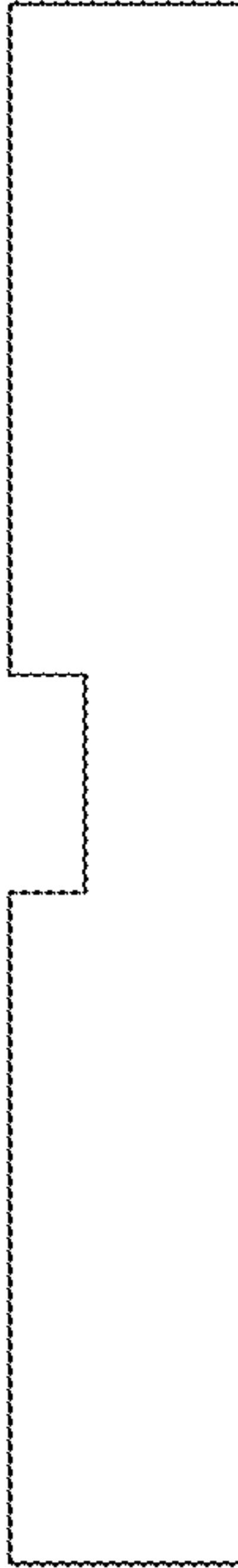


Fig. 37

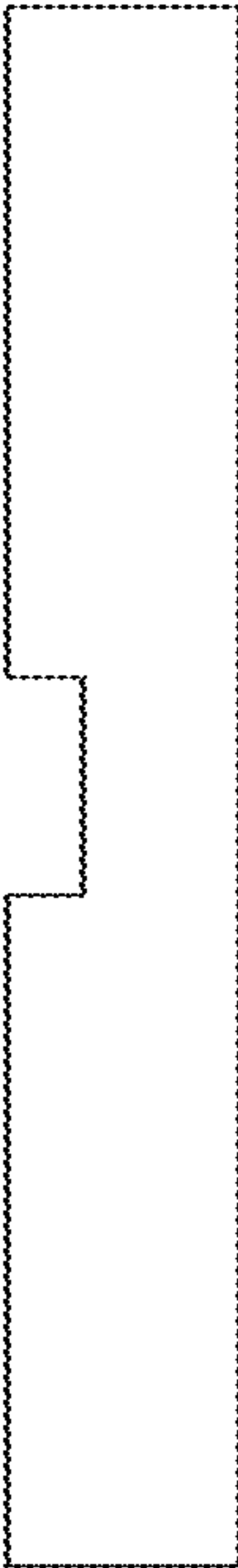


Fig. 38

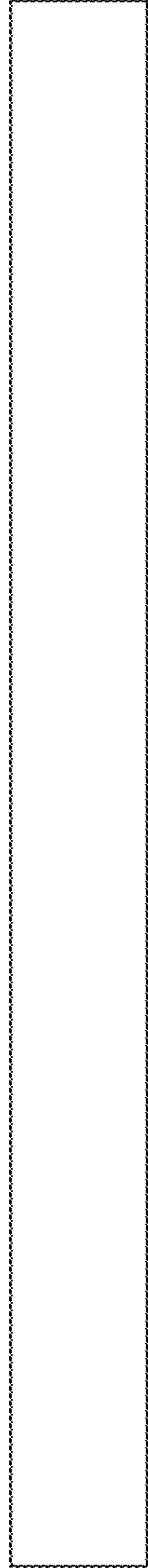


Fig. 39



Fig. 40

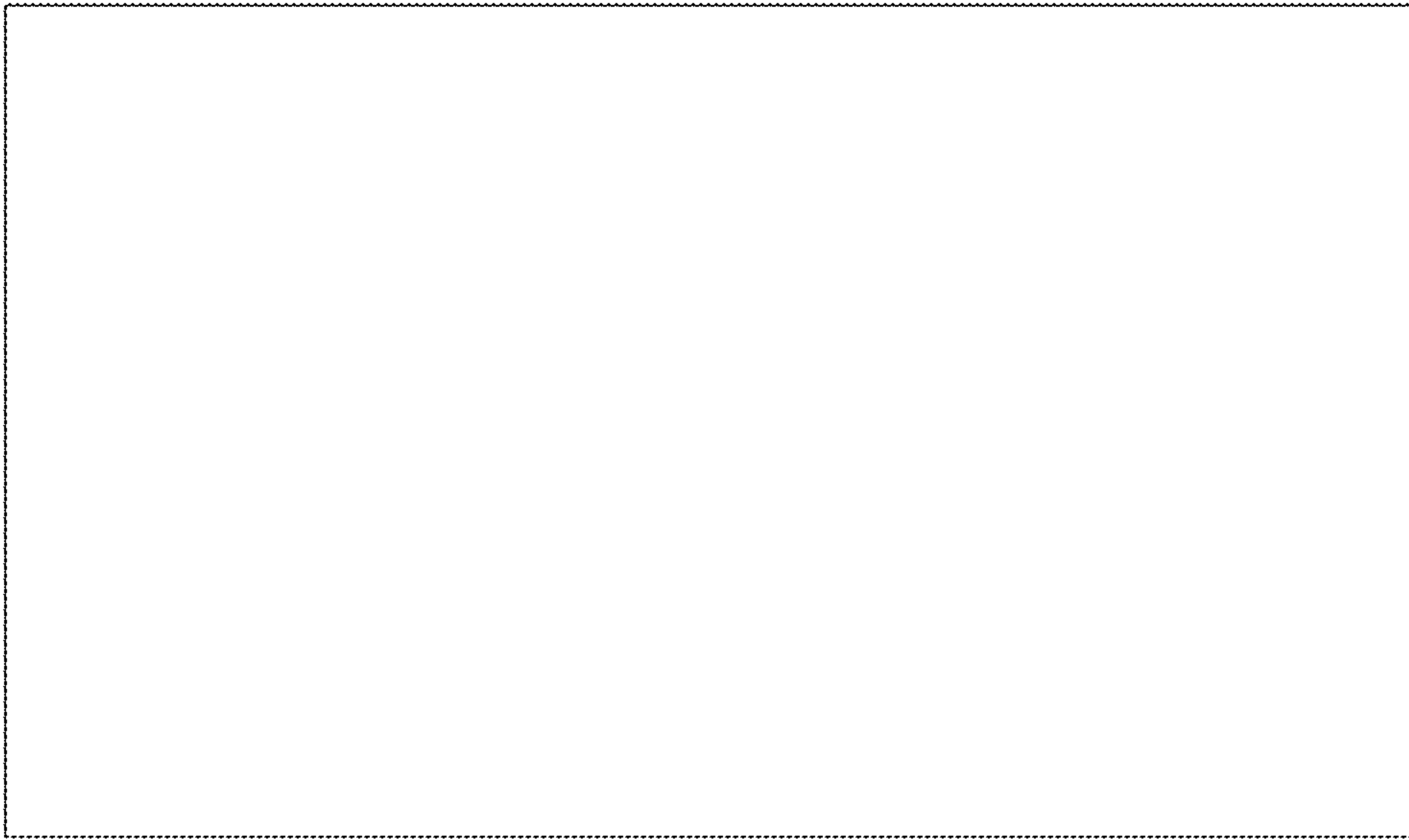


Fig. 42

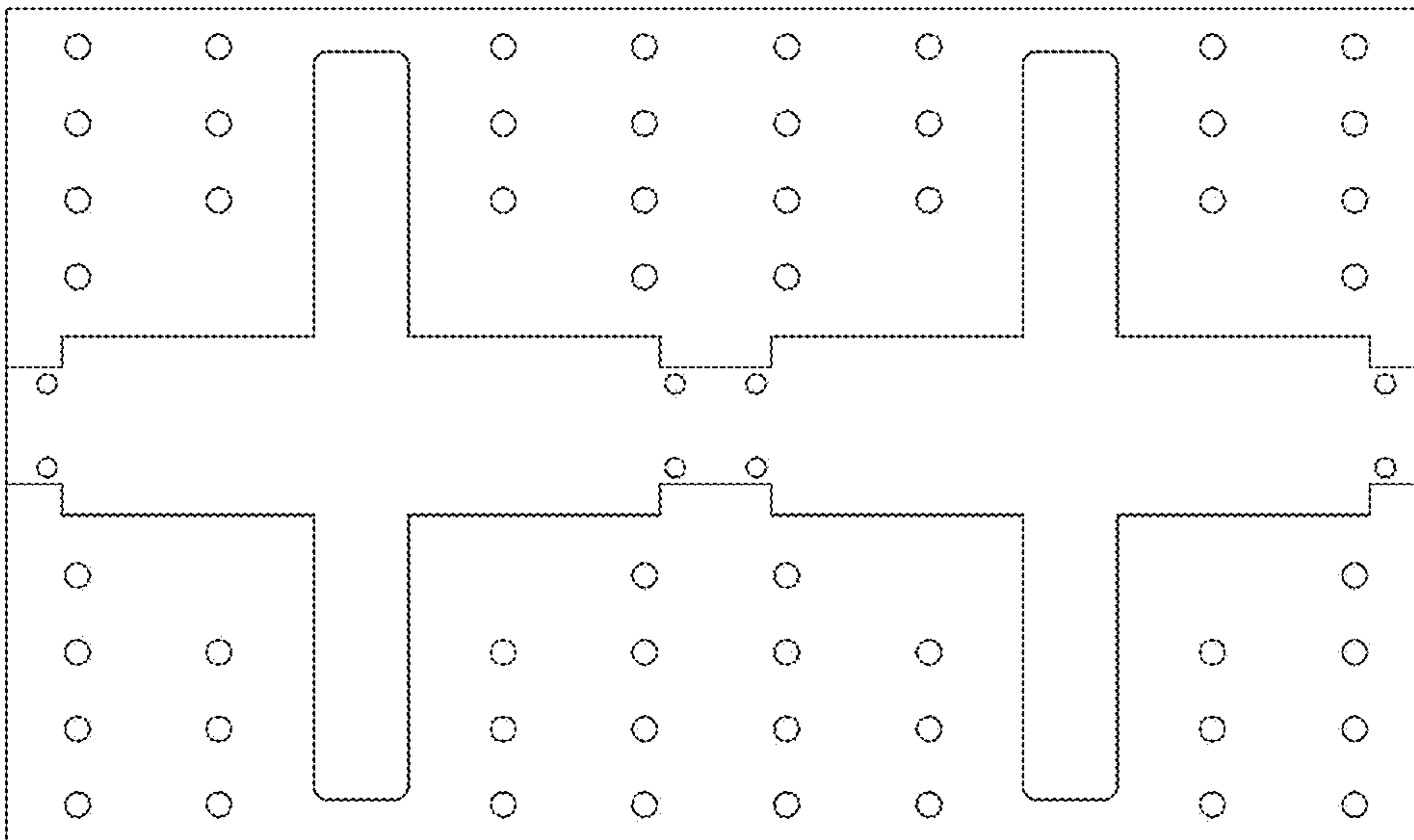


Fig. 41