



US00D403685S

United States Patent [19]
Kobayashi et al.

[11] **Patent Number:** **Des. 403,685**
[45] **Date of Patent:** ****Jan. 5, 1999**

[54] **WIRE SAW HOUSING**

[75] **Inventors:** **Shigeo Kobayashi; Yasuhiro Ito**, both
of Yokohama, Japan
[73] **Assignee:** **Nippei Toyama Corporation**, Tokyo,
Japan
[**] **Term:** **14 Years**

[21] **Appl. No.:** **64,300**

[22] **Filed:** **Mar. 20, 1997**

[30] **Foreign Application Priority Data**

| | | | |
|---------------|------|-------|---------|
| Jun. 28, 1996 | [JP] | Japan | 8-19227 |
| Dec. 6, 1996 | [JP] | Japan | 8-37121 |
| Dec. 6, 1996 | [JP] | Japan | 8-37122 |
| Dec. 6, 1996 | [JP] | Japan | 8-37123 |
| Dec. 6, 1996 | [JP] | Japan | 8-37124 |
| Dec. 6, 1996 | [JP] | Japan | 8-37125 |
| Dec. 6, 1996 | [JP] | Japan | 8-37126 |
| Dec. 6, 1996 | [JP] | Japan | 8-37127 |
| Dec. 6, 1996 | [JP] | Japan | 8-37128 |
| Dec. 6, 1996 | [JP] | Japan | 8-37129 |
| Dec. 6, 1996 | [JP] | Japan | 8-37130 |
| Dec. 6, 1996 | [JP] | Japan | 8-37131 |
| Dec. 6, 1996 | [JP] | Japan | 8-37132 |
| Dec. 6, 1996 | [JP] | Japan | 8-37133 |

[51] **LOC (6) Cl.** **15-09**

[52] **U.S. Cl.** **D15/133**

[58] **Field of Search** **D15/133; 83/651.1,**
83/387.1, 785, 788; 125/12, 21, 16.01,
22; 451/296, 526

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 336,749 6/1993 Lenard et al. **D15/133 X**

Primary Examiner—Antoine Duval Davis

Attorney, Agent, or Firm—Stetina Brunda Garred &
Brucker

[57] **CLAIM**

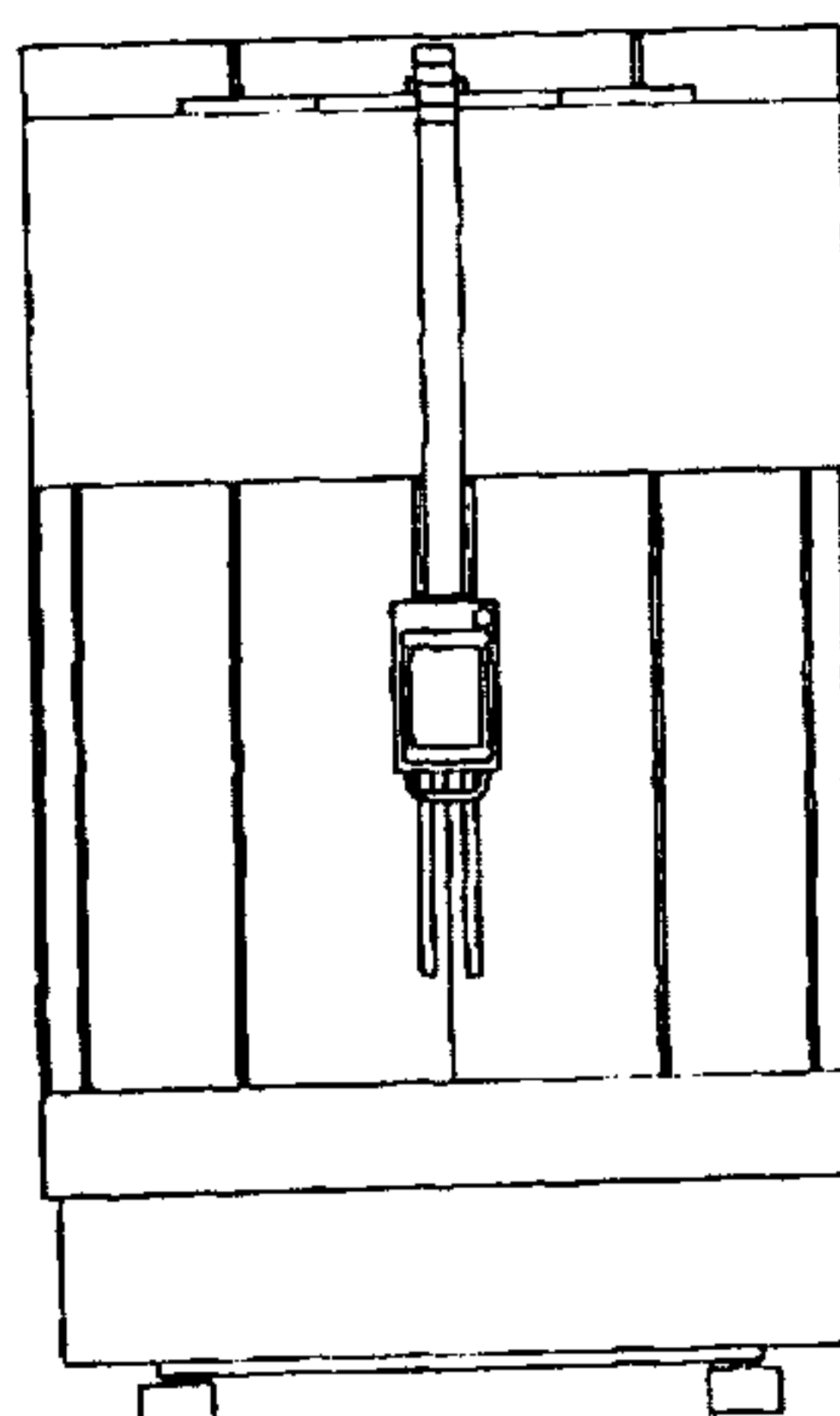
The ornamental design for a wire saw housing, as shown and
described.

DESCRIPTION

FIG. 1 is a front elevational view of a wire saw housing;

FIG. 2 is a rear elevational view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a front perspective view thereof;
FIG. 8 is a rear perspective view thereof; and
FIG. 9 is a front perspective view thereof with the front
doors opened;
FIG. 10 is a front elevational view of a second embodiment
of the wire saw housing;
FIG. 11 is a rear elevational view thereof;
FIG. 12 is a top plan view thereof;
FIG. 13 is a bottom plan view thereof;
FIG. 14 is a right side elevational view thereof;
FIG. 15 is a left side elevational view thereof;
FIG. 16 is a front perspective view thereof;
FIG. 17 is a rear perspective view thereof; and
FIG. 18 is a front perspective view thereof with the front
doors opened;
FIG. 19 is a front elevational view of a third embodiment of
the wire saw housing;
FIG. 20 is a rear elevational view thereof;
FIG. 21 is a top plan view thereof;
FIG. 22 is a bottom plan view thereof;
FIG. 23 is a right side elevational view thereof;
FIG. 24 is a left side elevational view thereof;
FIG. 25 is a front perspective view thereof;
FIG. 26 is a rear perspective view thereof; and
FIG. 27 is a front perspective view thereof with the front
doors opened;
FIG. 28 is a front elevational view of a fourth embodiment
of the wire saw housing;
FIG. 29 is a rear elevational view thereof;
FIG. 30 is a top plan view thereof;
FIG. 31 is a bottom plan view thereof;
FIG. 32 is a right side elevational view thereof;
FIG. 33 is a left side elevational view thereof;
FIG. 34 is a front perspective view thereof;
FIG. 35 is a rear perspective view thereof; and
FIG. 36 is a front perspective view of a thereof with the front
doors opened;
FIG. 37 is a front elevational view of a fifth embodiment of
the wire saw housing;

(List continued on next page.)



DESCRIPTION

FIG. 38 is a rear elevational view thereof;
 FIG. 39 is a top plan view thereof;
 FIG. 40 is a bottom plan view thereof;
 FIG. 41 is a right side elevational view thereof, the left side elevational view being a mirror image of FIG. 41;
 FIG. 42 is a front perspective view thereof;
 FIG. 43 is a rear perspective view thereof; and
 FIG. 44 is a front perspective view thereof with the front doors opened;
 FIG. 45 is a front elevational view of a sixth embodiment of the wire saw housing;
 FIG. 46 is a rear elevational view thereof;
 FIG. 47 is a top plan view thereof;
 FIG. 48 is a bottom plan view thereof;
 FIG. 49 is a right side elevational view thereof;
 FIG. 50 is a left side elevational view thereof;
 FIG. 51 is a front perspective view thereof;
 FIG. 52 is a rear perspective view thereof; and
 FIG. 53 is a front perspective view thereof with the front doors opened;
 FIG. 54 is a front elevational view of a seventh embodiment of the wire saw housing;
 FIG. 55 is a rear elevational view thereof;
 FIG. 56 is a top plan view thereof;
 FIG. 57 is a bottom plan view thereof;
 FIG. 58 is a right side elevational view thereof;
 FIG. 59 is a left side elevational view thereof;
 FIG. 60 is a front perspective view thereof;
 FIG. 61 is a rear perspective view thereof; and
 FIG. 62 is a front perspective view thereof with the front doors opened;
 FIG. 63 is a front elevational view of a eighth embodiment of the wire saw housing;
 FIG. 64 is a rear elevational view thereof;
 FIG. 65 is a top plan view thereof;
 FIG. 66 is a bottom plan view thereof;
 FIG. 67 is a right side elevational view thereof;
 FIG. 68 is a left side elevational view thereof;
 FIG. 69 is a front perspective view thereof;
 FIG. 70 is a rear perspective view thereof; and
 FIG. 71 is a front perspective view thereof with the front doors opened;
 FIG. 72 is a front elevational view of a ninth embodiment of the wire saw housing;
 FIG. 73 is a rear elevational view thereof;
 FIG. 74 is a top plan view thereof;
 FIG. 75 is a bottom plan view thereof;
 FIG. 76 is a right side elevational view thereof, the left side elevational view being a mirror image of FIG. 76;
 FIG. 77 is a front perspective view thereof;
 FIG. 78 is a rear perspective view thereof; and
 FIG. 79 is a front perspective view thereof with the front doors opened;
 FIG. 80 is a front elevational view of a tenth embodiment of the wire saw housing;

FIG. 81 is a rear elevational view thereof;
 FIG. 82 is a top plan view thereof;
 FIG. 83 is a bottom plan view thereof;
 FIG. 84 is a right side elevational view thereof;
 FIG. 85 is a left side elevational view thereof;
 FIG. 86 is a front perspective view thereof;
 FIG. 87 is a rear perspective view thereof; and
 FIG. 88 is a front perspective view thereof with the front doors opened;
 FIG. 89 is a front elevational view of a eleventh embodiment of the wire saw housing;
 FIG. 90 is a rear elevational view thereof;
 FIG. 91 is a top plan view thereof;
 FIG. 92 is a bottom plan view thereof;
 FIG. 93 is a right side elevational view thereof;
 FIG. 94 is a left side elevational view thereof;
 FIG. 95 is a front perspective view thereof;
 FIG. 96 is a rear perspective view thereof; and
 FIG. 97 is a front perspective view thereof with the front doors opened;
 FIG. 98 is a front elevational view of a twelfth embodiment of the wire saw housing;
 FIG. 99 is a rear elevational view thereof;
 FIG. 100 is a top plan view thereof;
 FIG. 101 is a bottom plan view thereof;
 FIG. 102 is a right side elevational view thereof;
 FIG. 103 is a left side elevational view thereof;
 FIG. 104 is a front perspective view thereof;
 FIG. 105 is a rear perspective view thereof; and
 FIG. 106 is a front perspective view thereof with the front doors opened;
 FIG. 107 is a front elevational view of a thirteenth embodiment of the wire saw housing;
 FIG. 108 is a rear elevational view thereof;
 FIG. 109 is a top plan view thereof;
 FIG. 110 is a bottom plan view thereof;
 FIG. 111 is a right side elevational view thereof;
 FIG. 112 is a left side elevational view thereof;
 FIG. 113 is a front perspective view thereof;
 FIG. 114 is a rear perspective view thereof; and
 FIG. 115 is a front perspective view thereof with the front doors opened;
 FIG. 116 is a front elevational view of a fourteenth embodiment of the wire saw housing;
 FIG. 117 is a rear elevational view thereof;
 FIG. 118 is a top plan view thereof;
 FIG. 119 is a bottom plan view thereof;
 FIG. 120 is a right side elevational view thereof;
 FIG. 121 is a left side elevational view thereof;
 FIG. 122 is a front perspective view thereof;
 FIG. 123 is a rear perspective view thereof; and
 FIG. 124 is a front perspective view thereof with the front doors opened.

Fig. 1

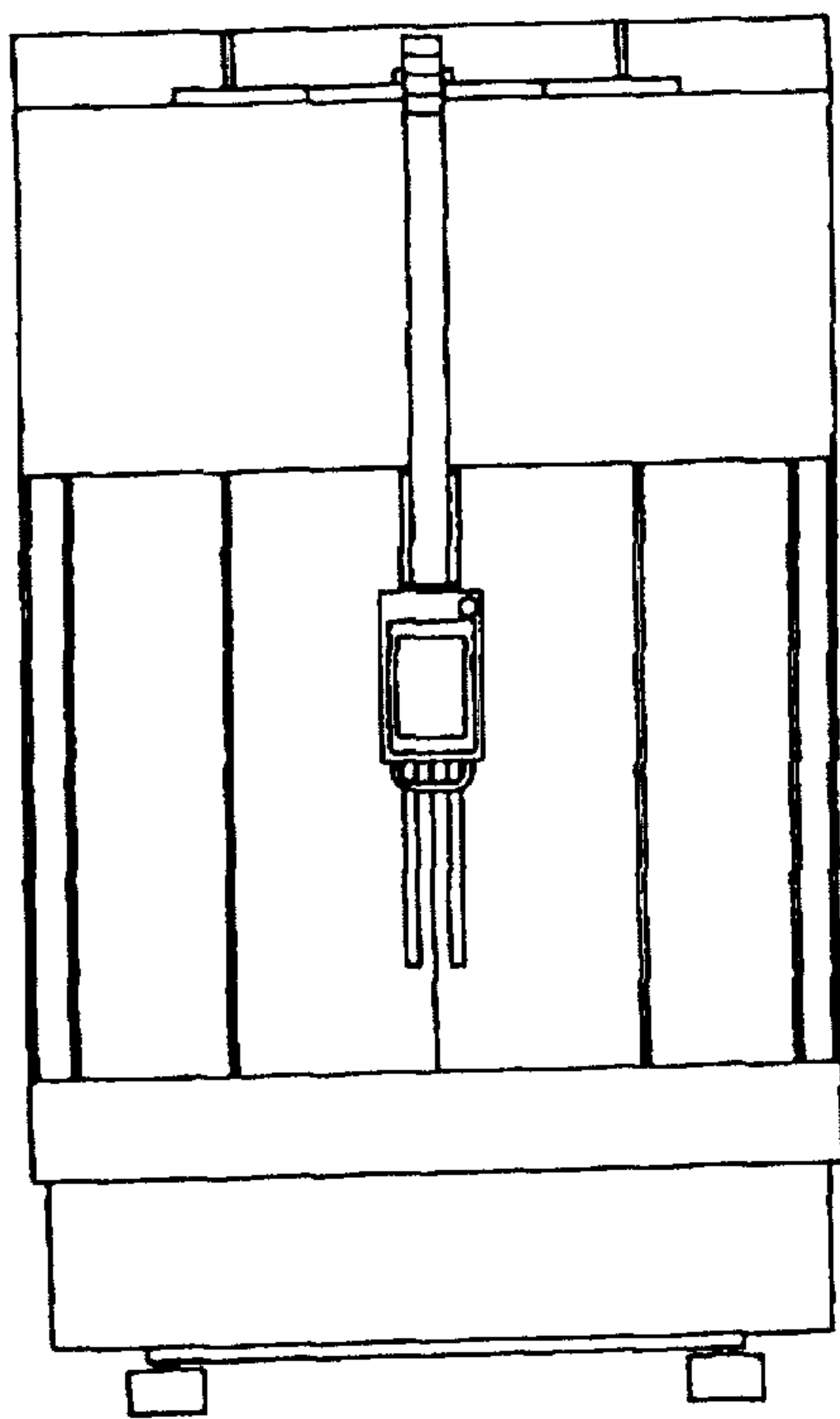


Fig. 2

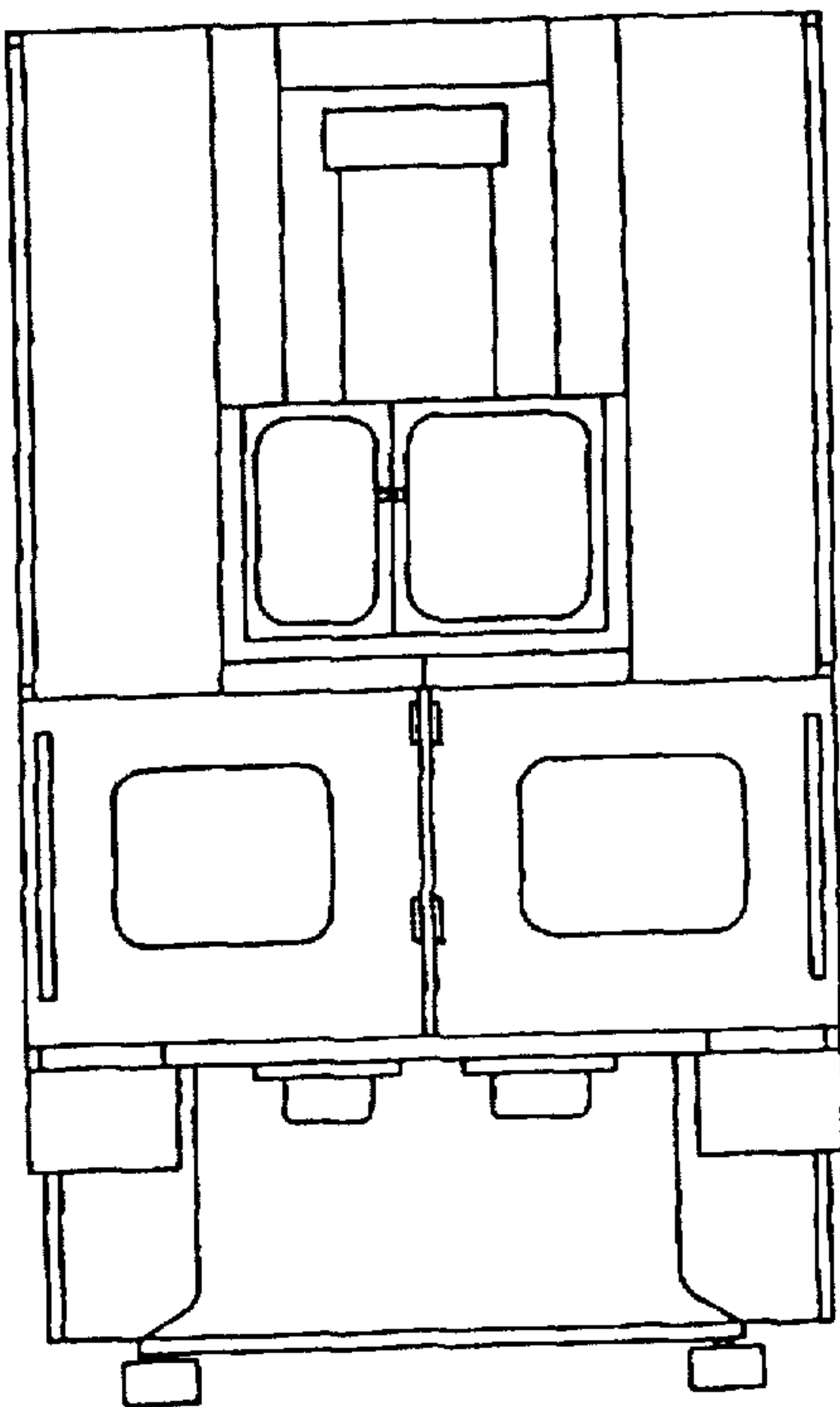


Fig. 3

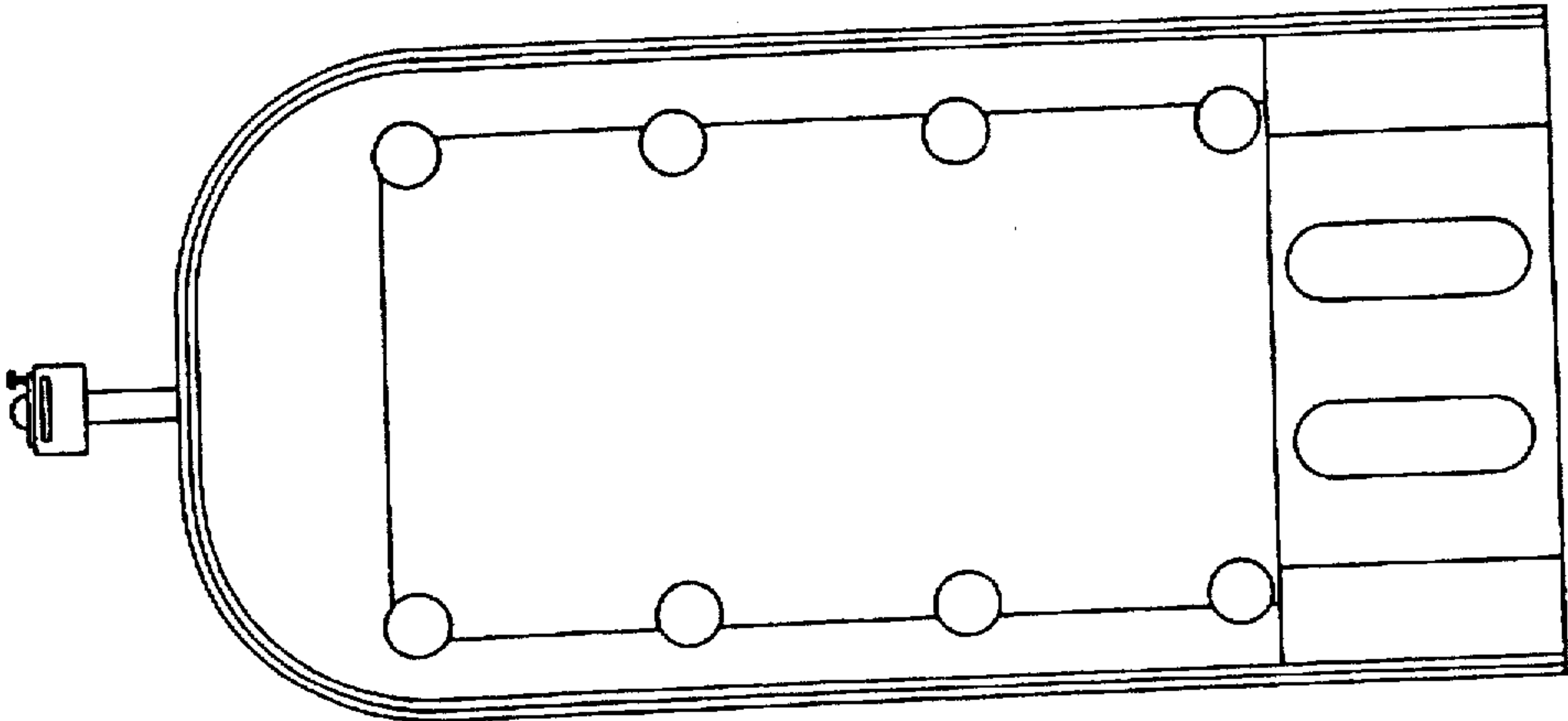


Fig. 4

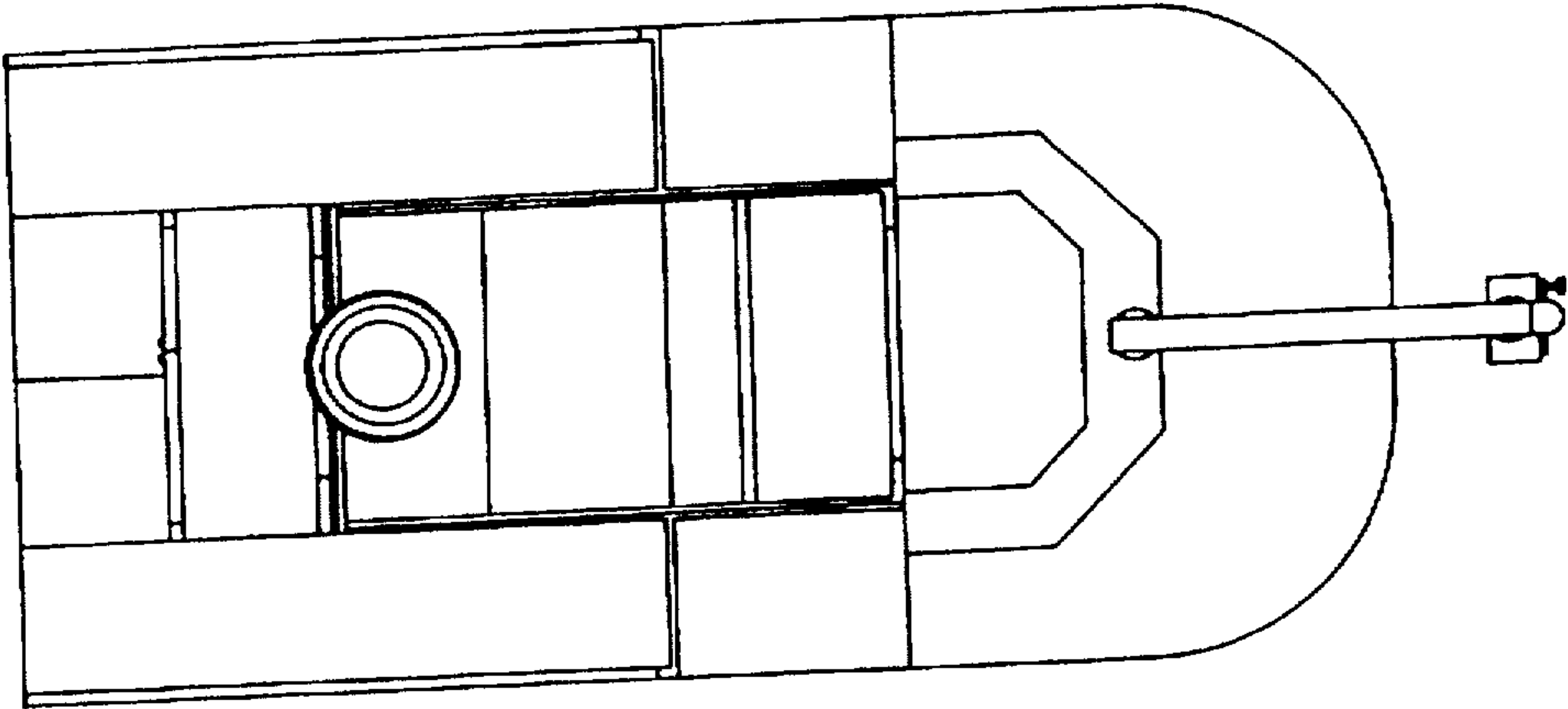


Fig. 5

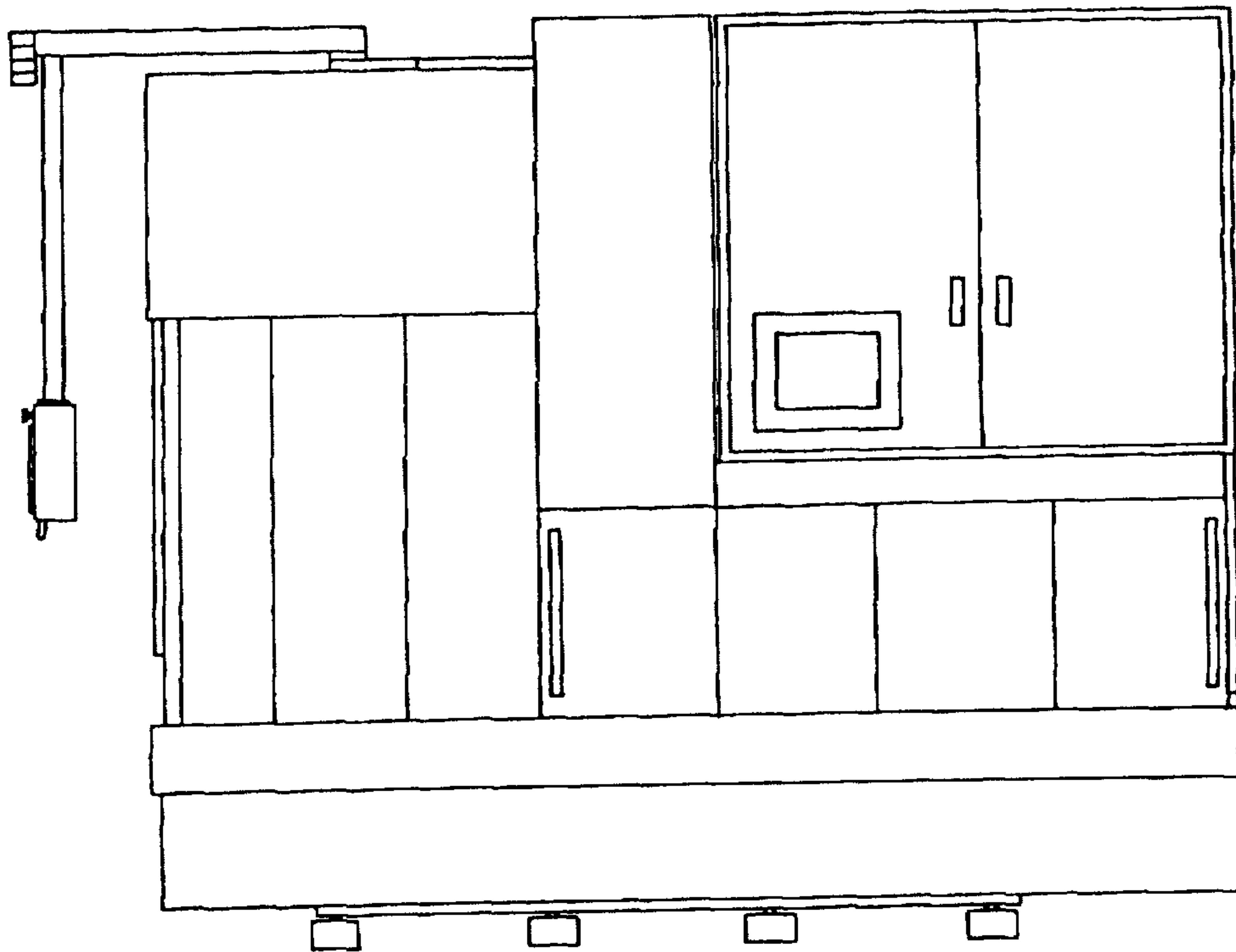


Fig. 6

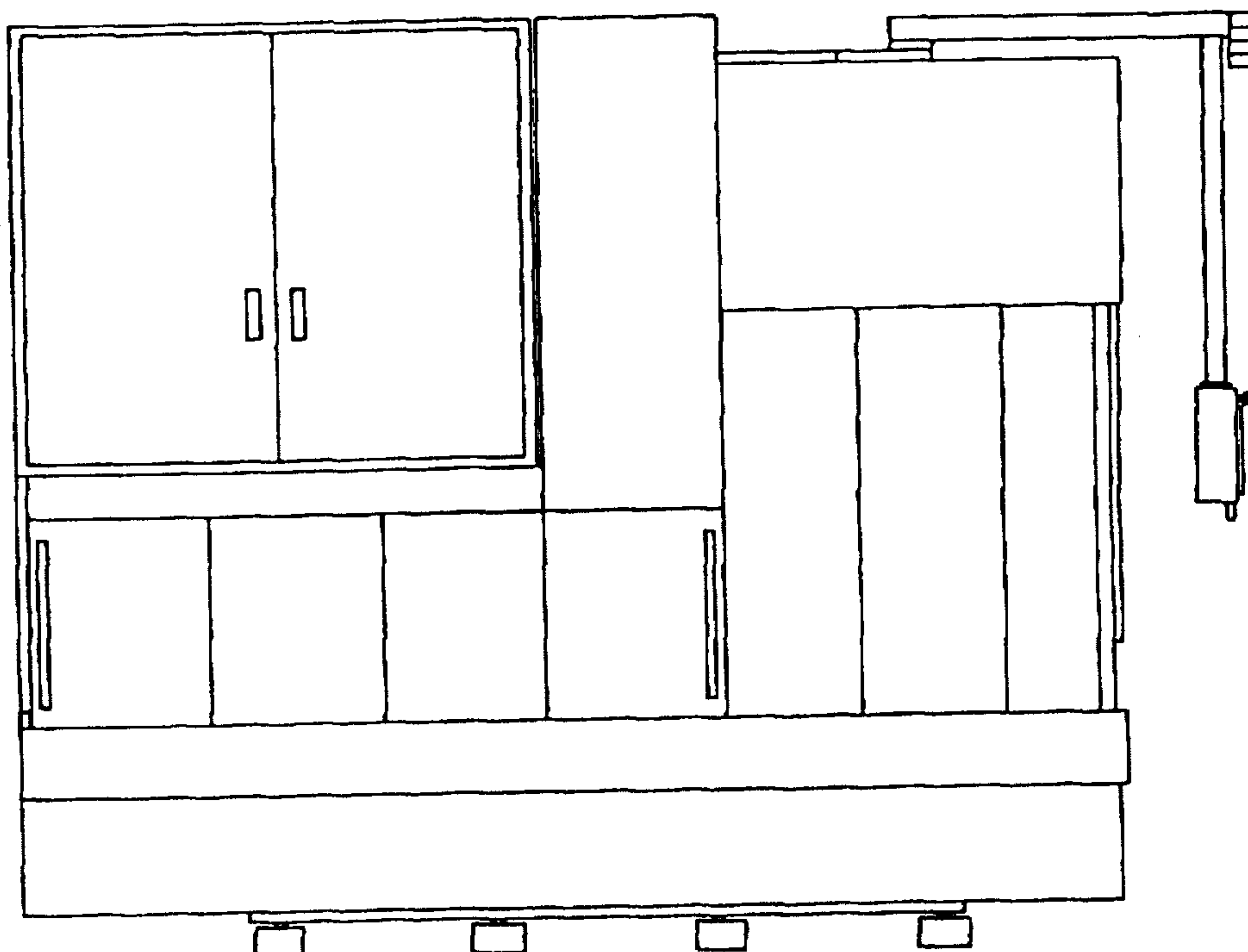


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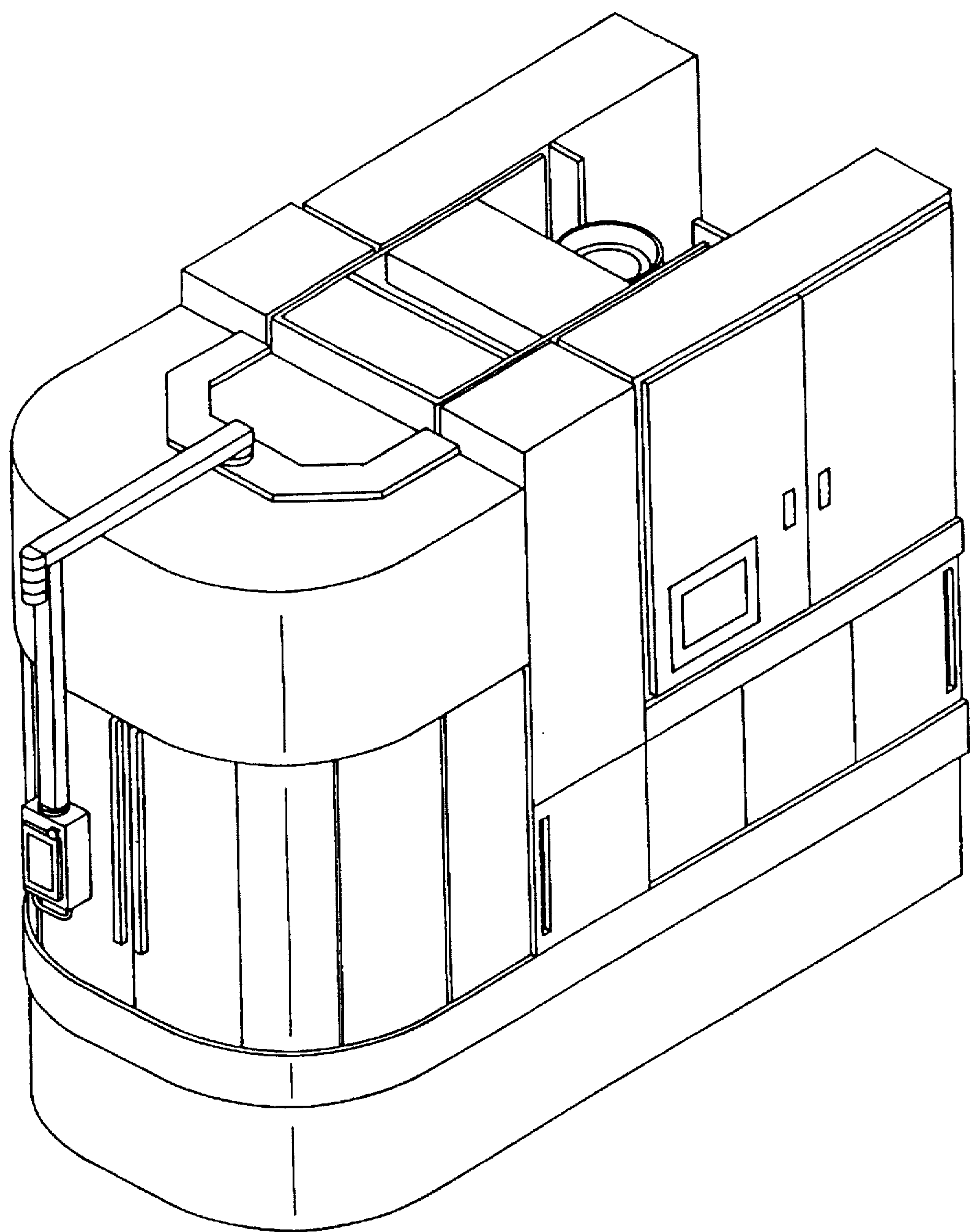


Fig. 8

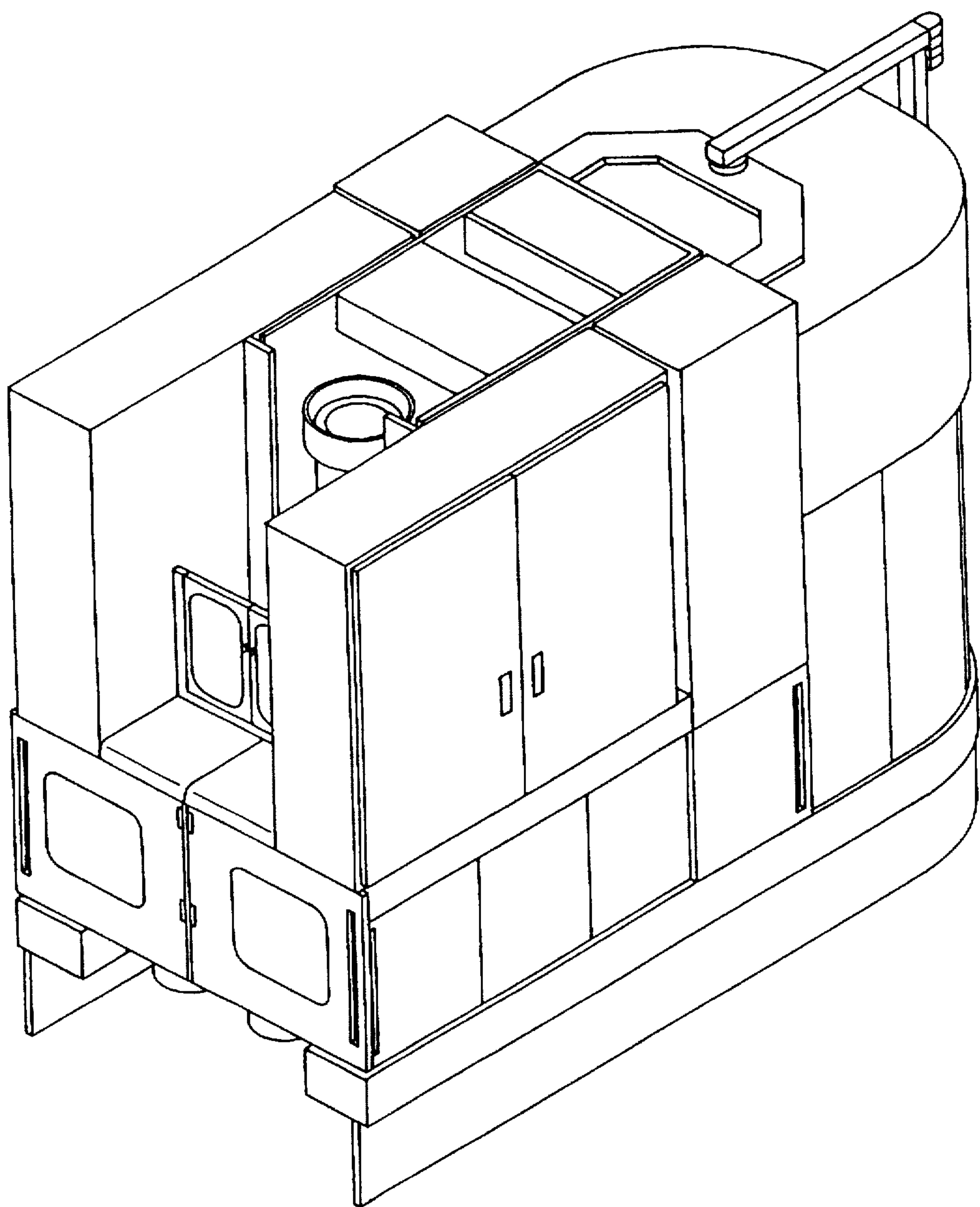


Fig. 9

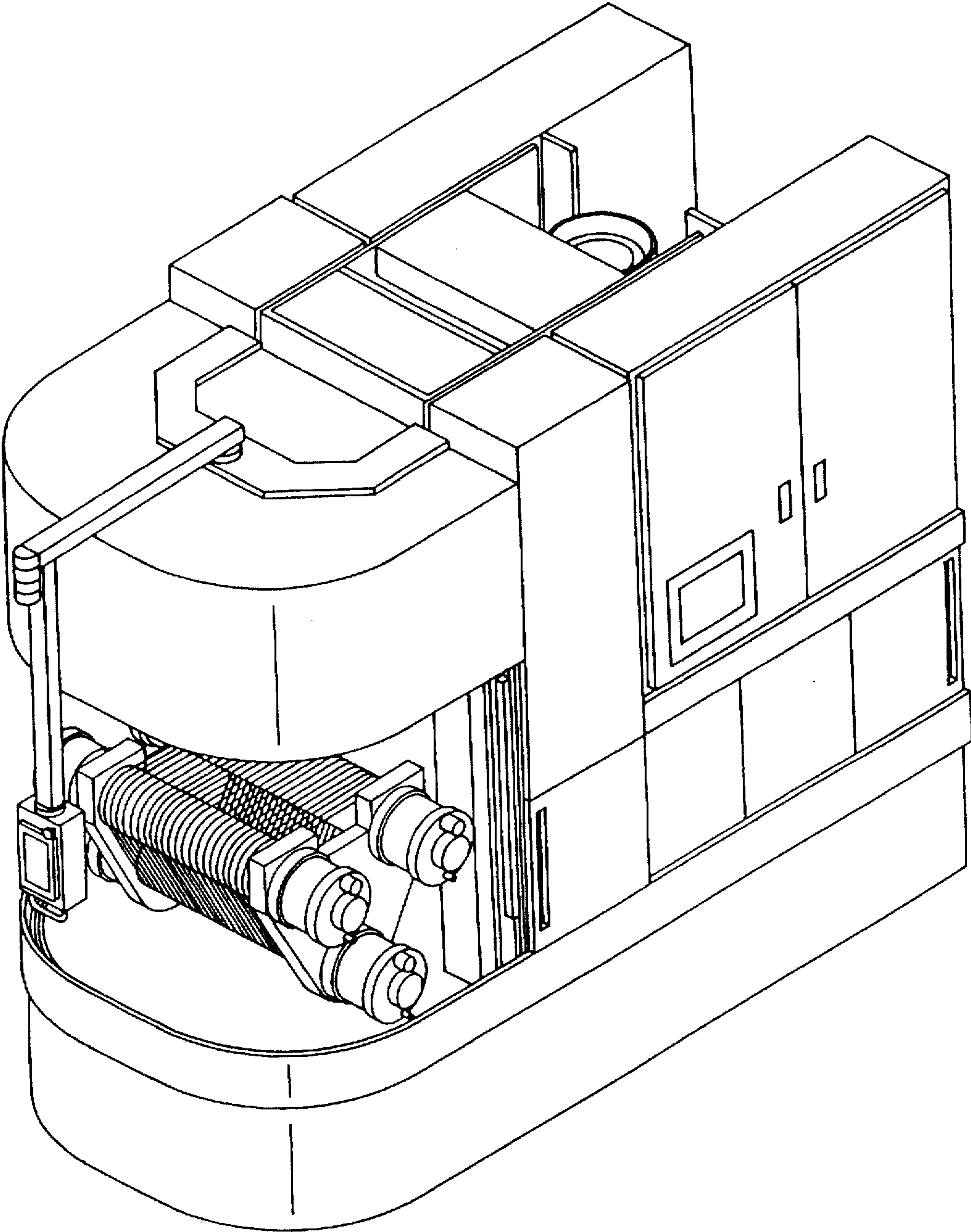


Fig. 10

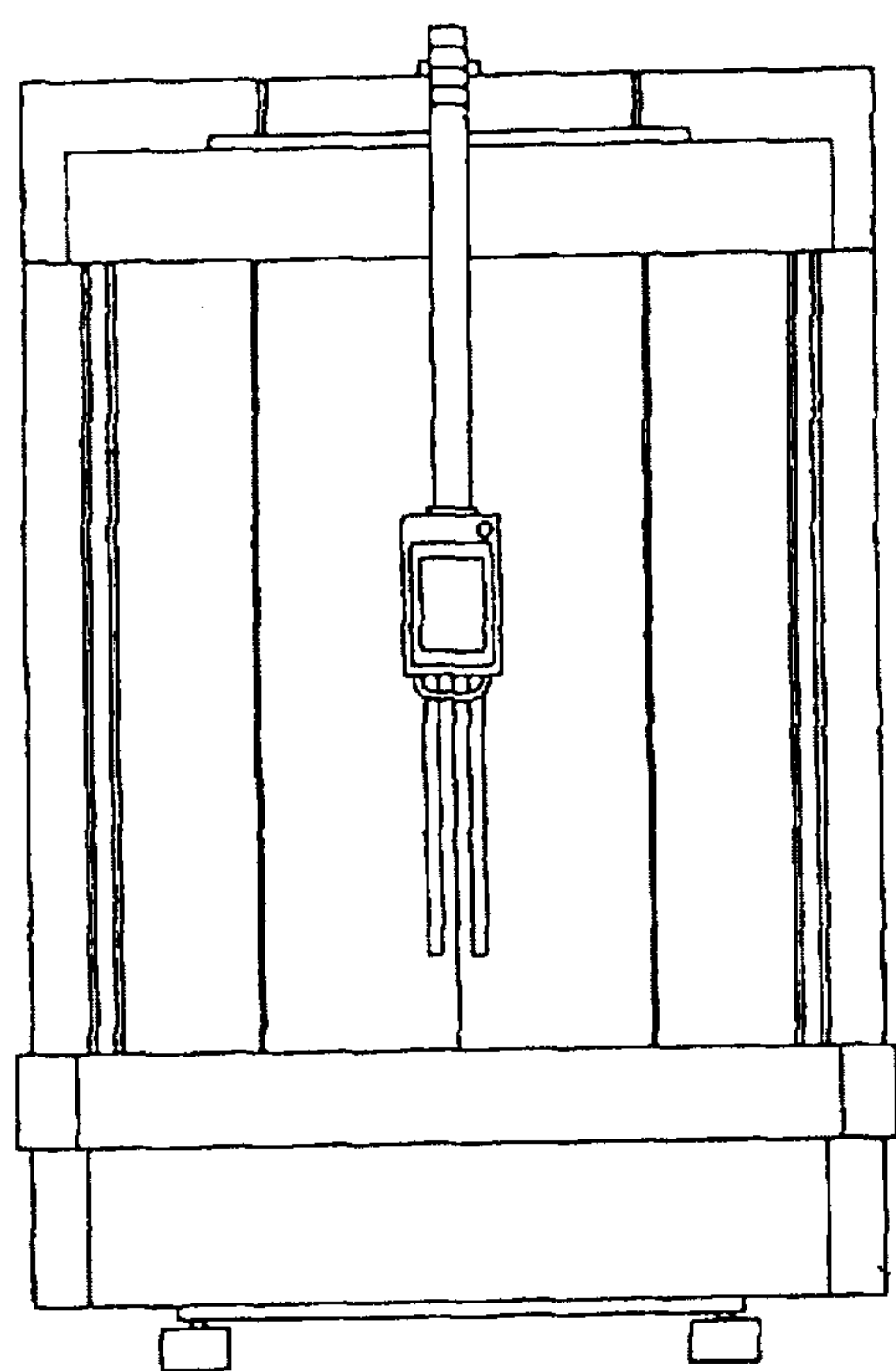


Fig. 11

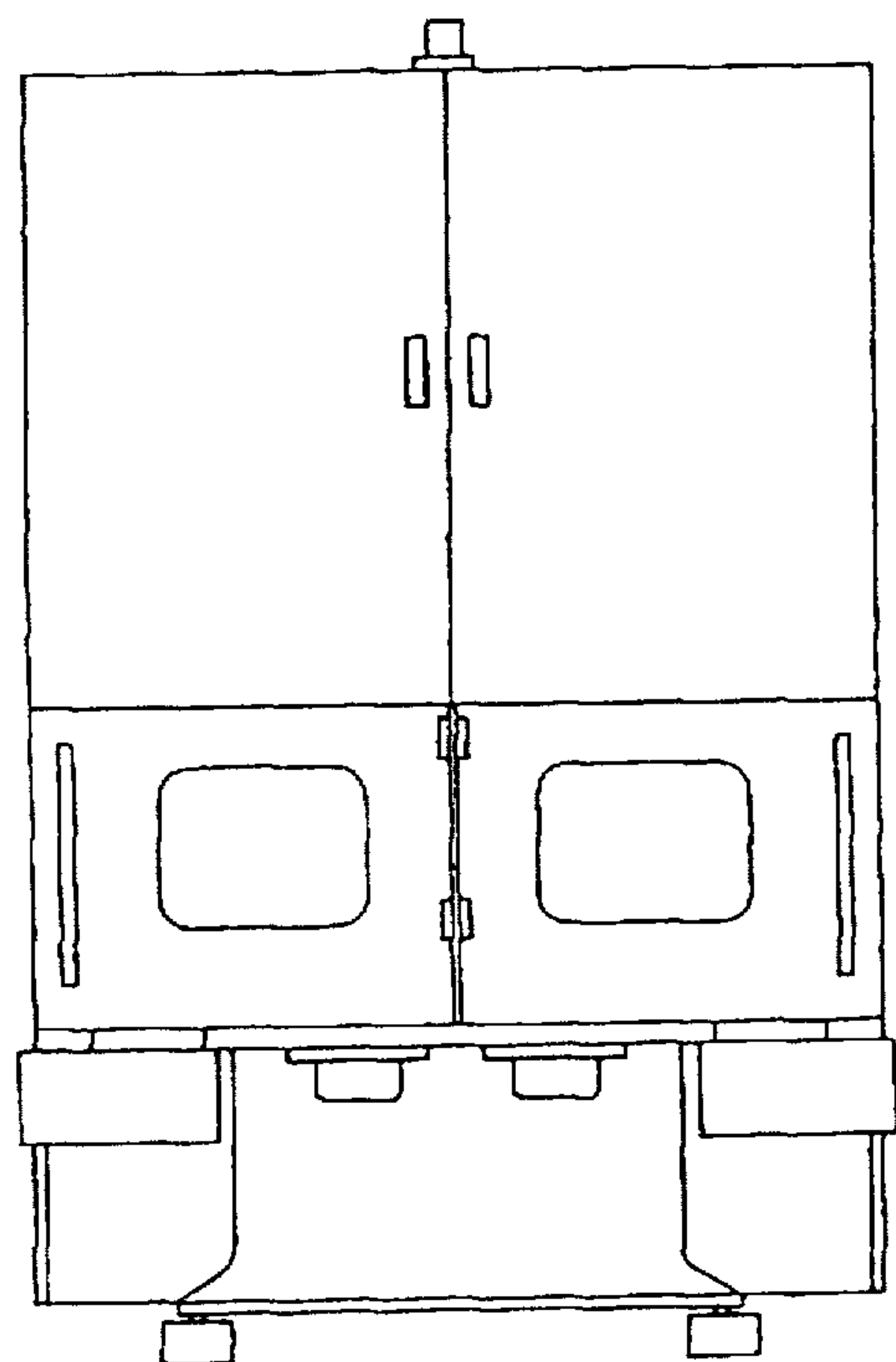


Fig. 12

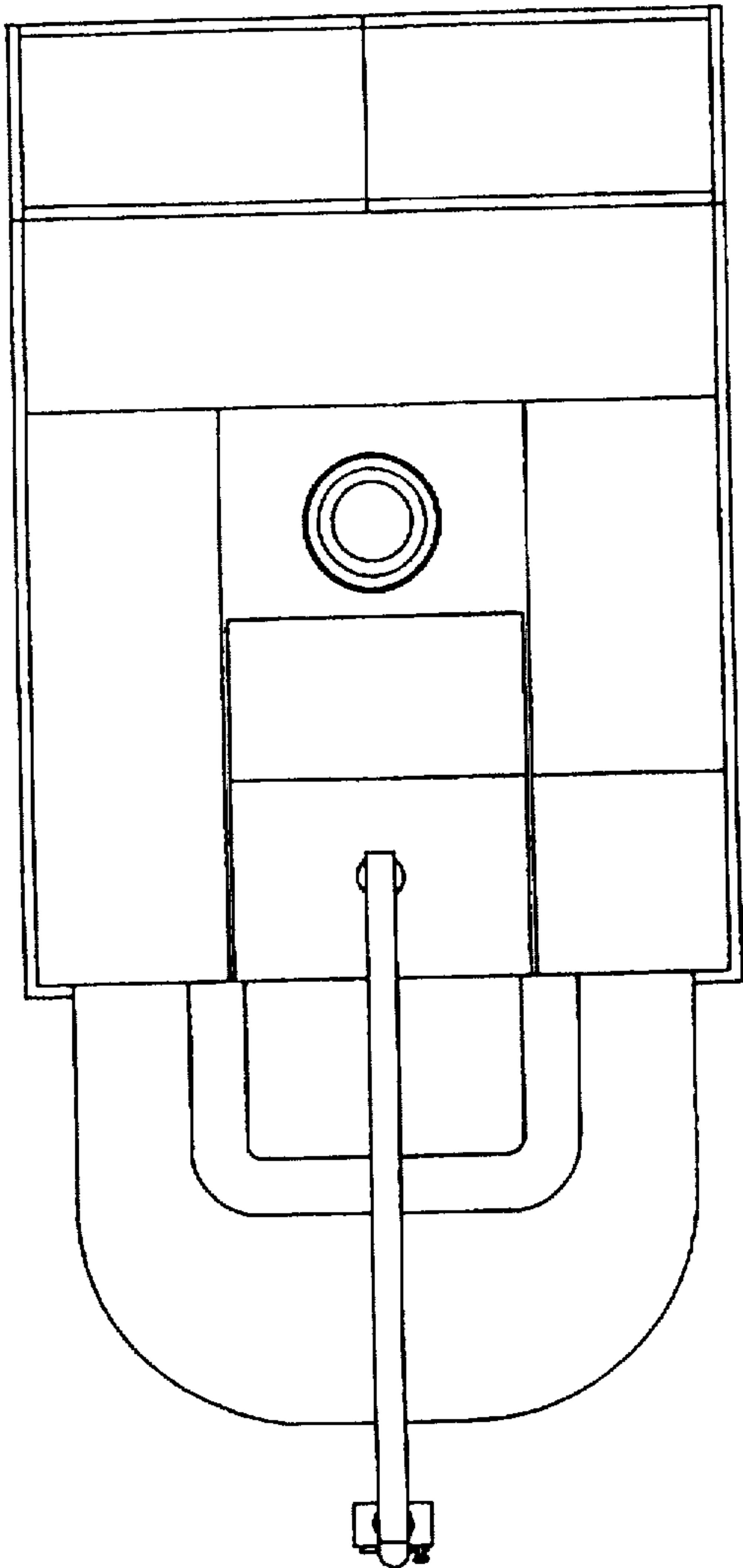


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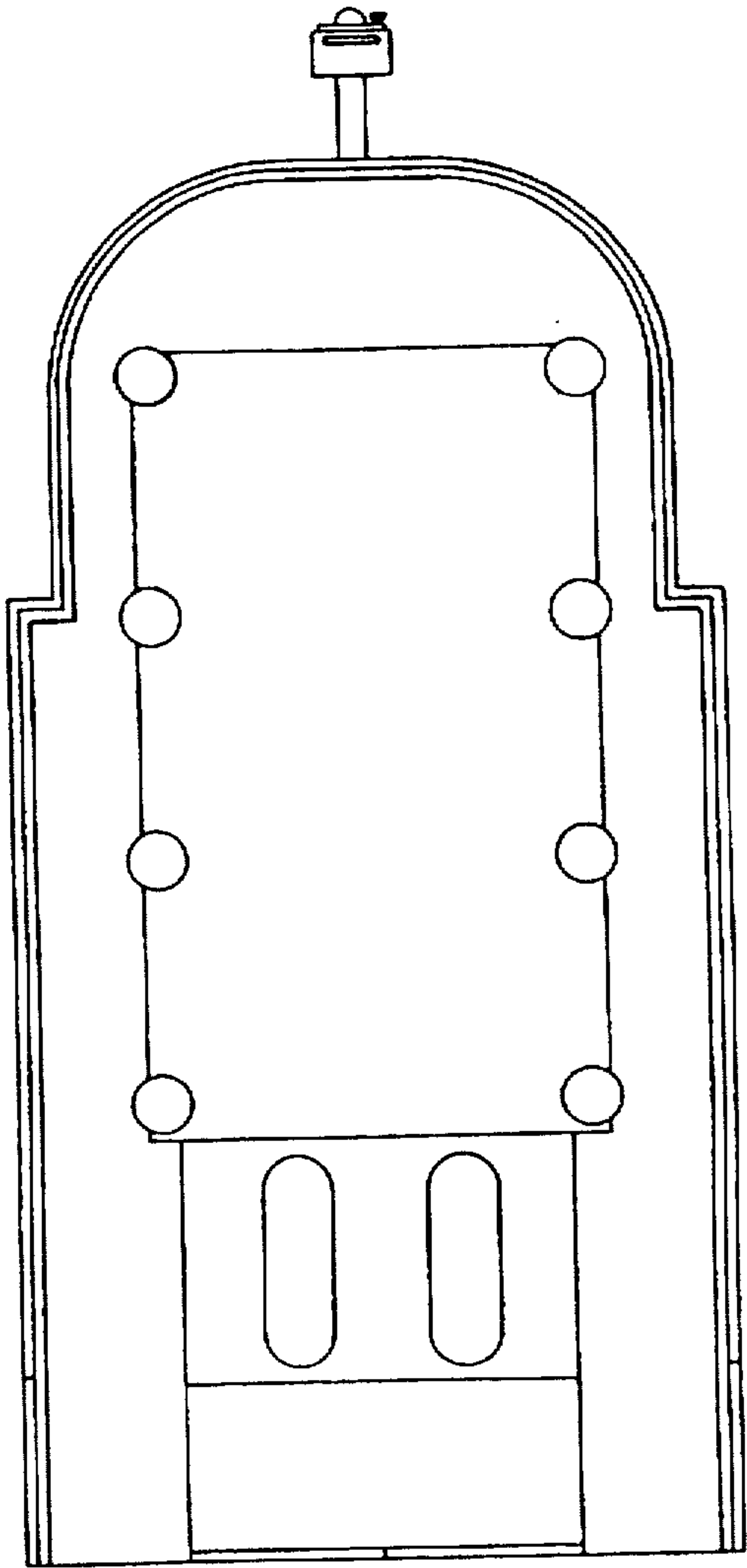


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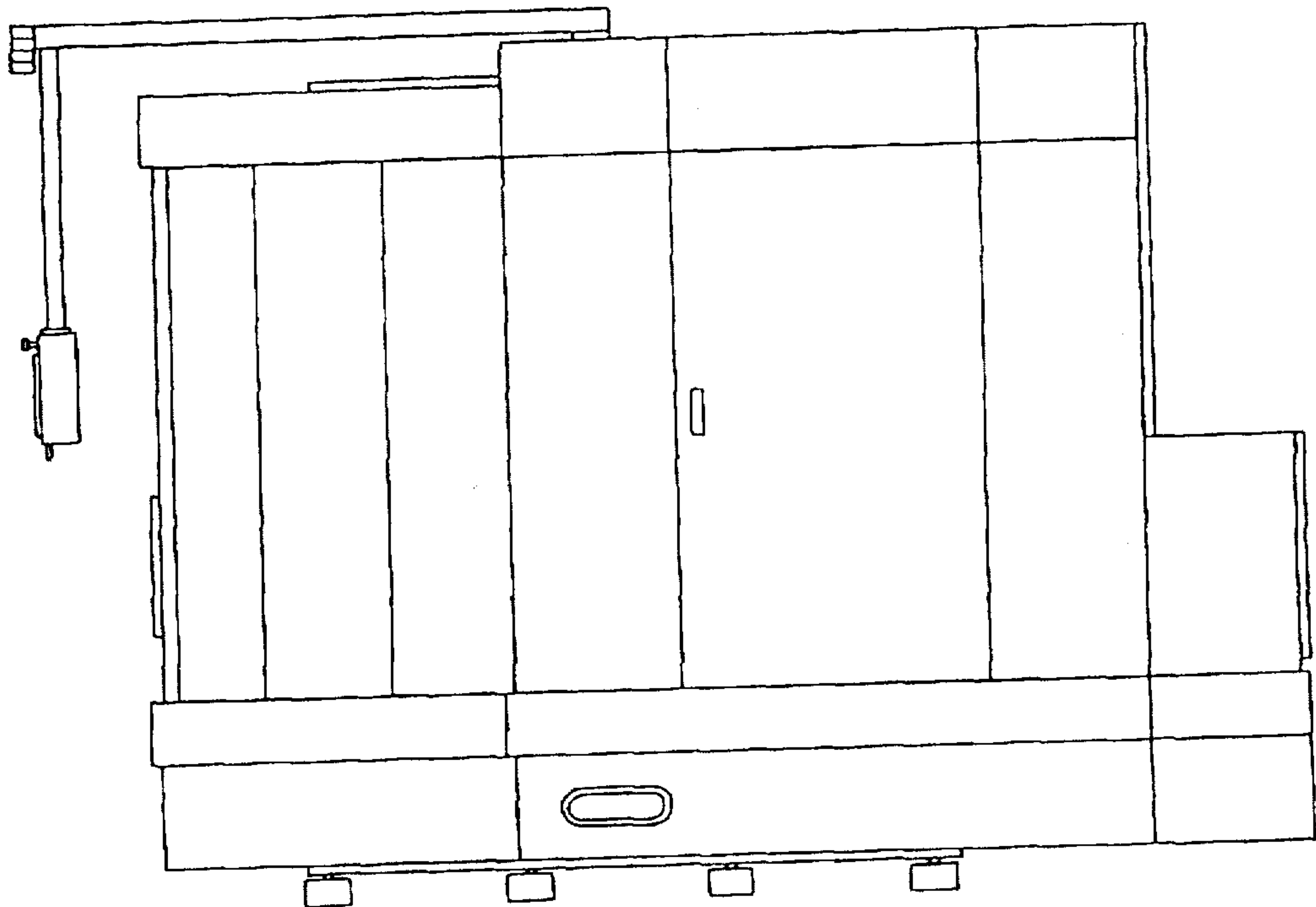


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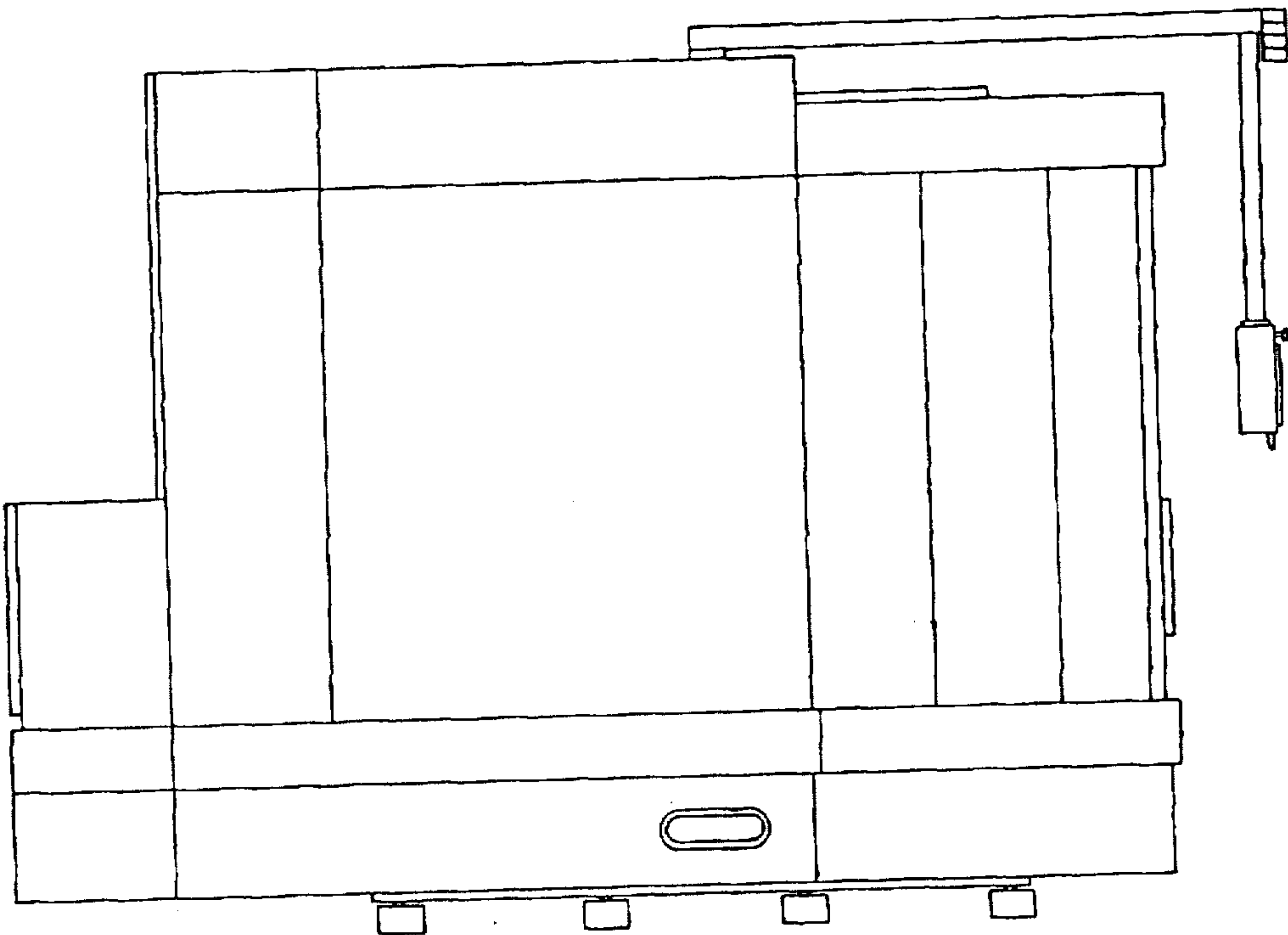


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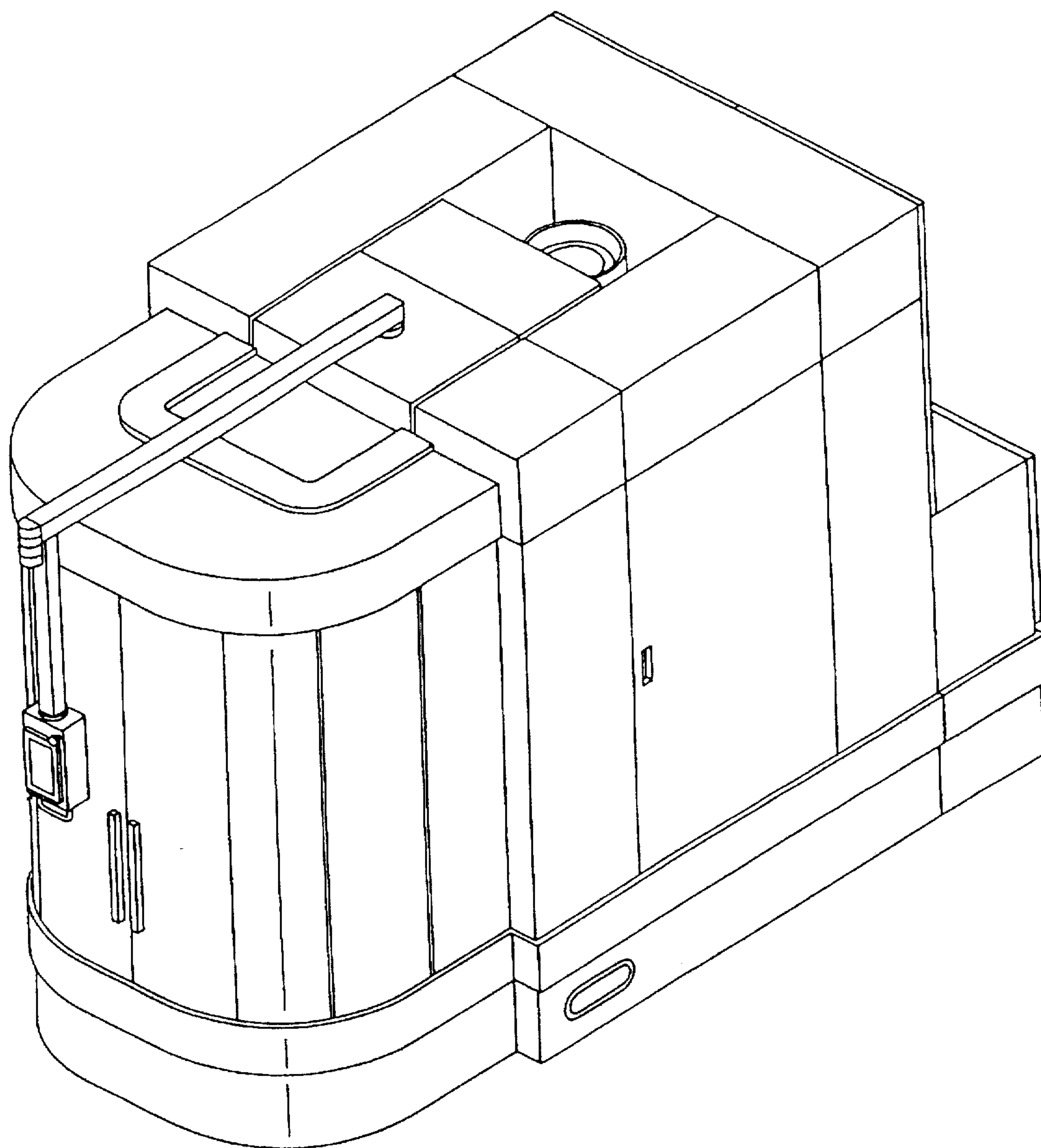


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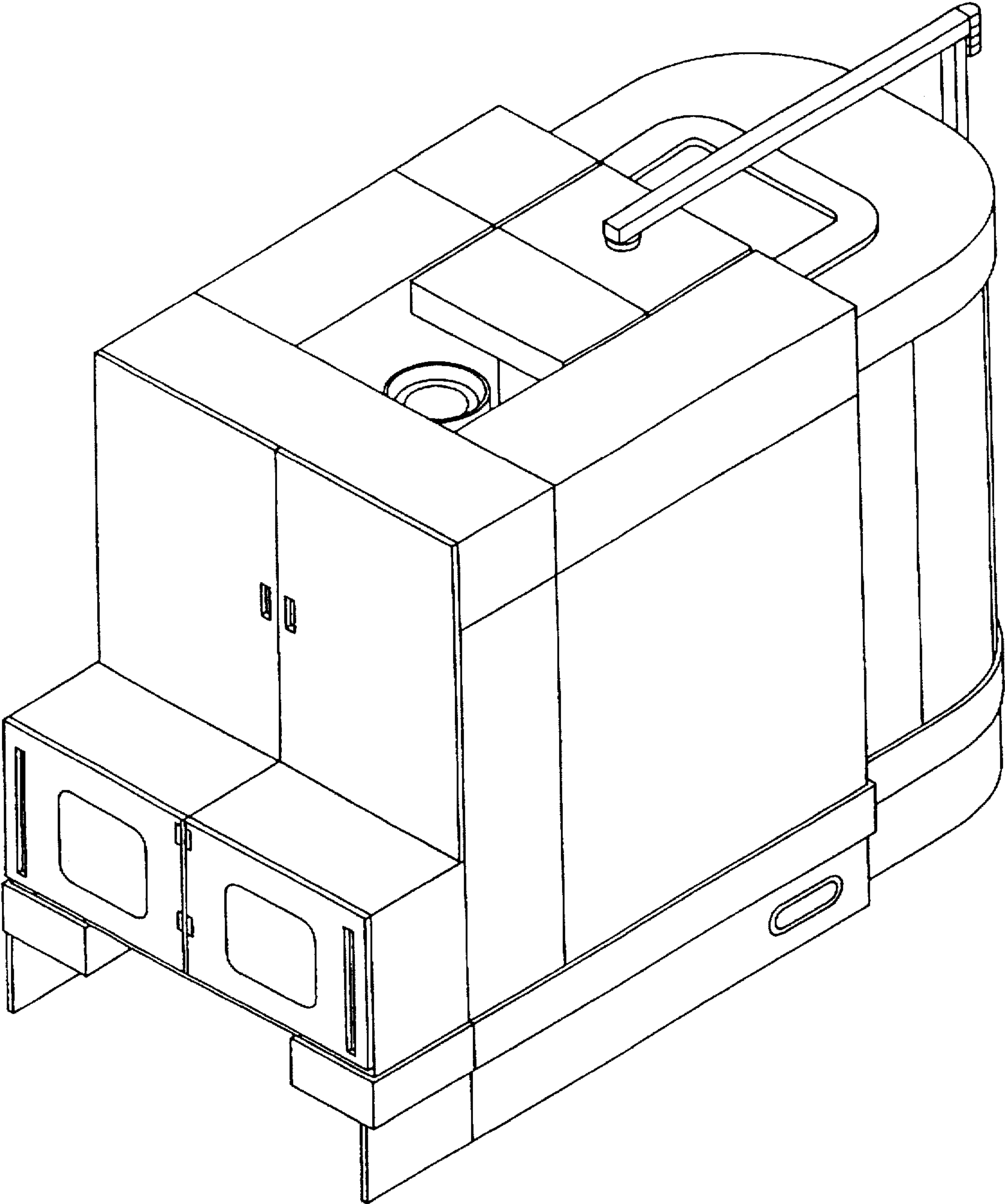


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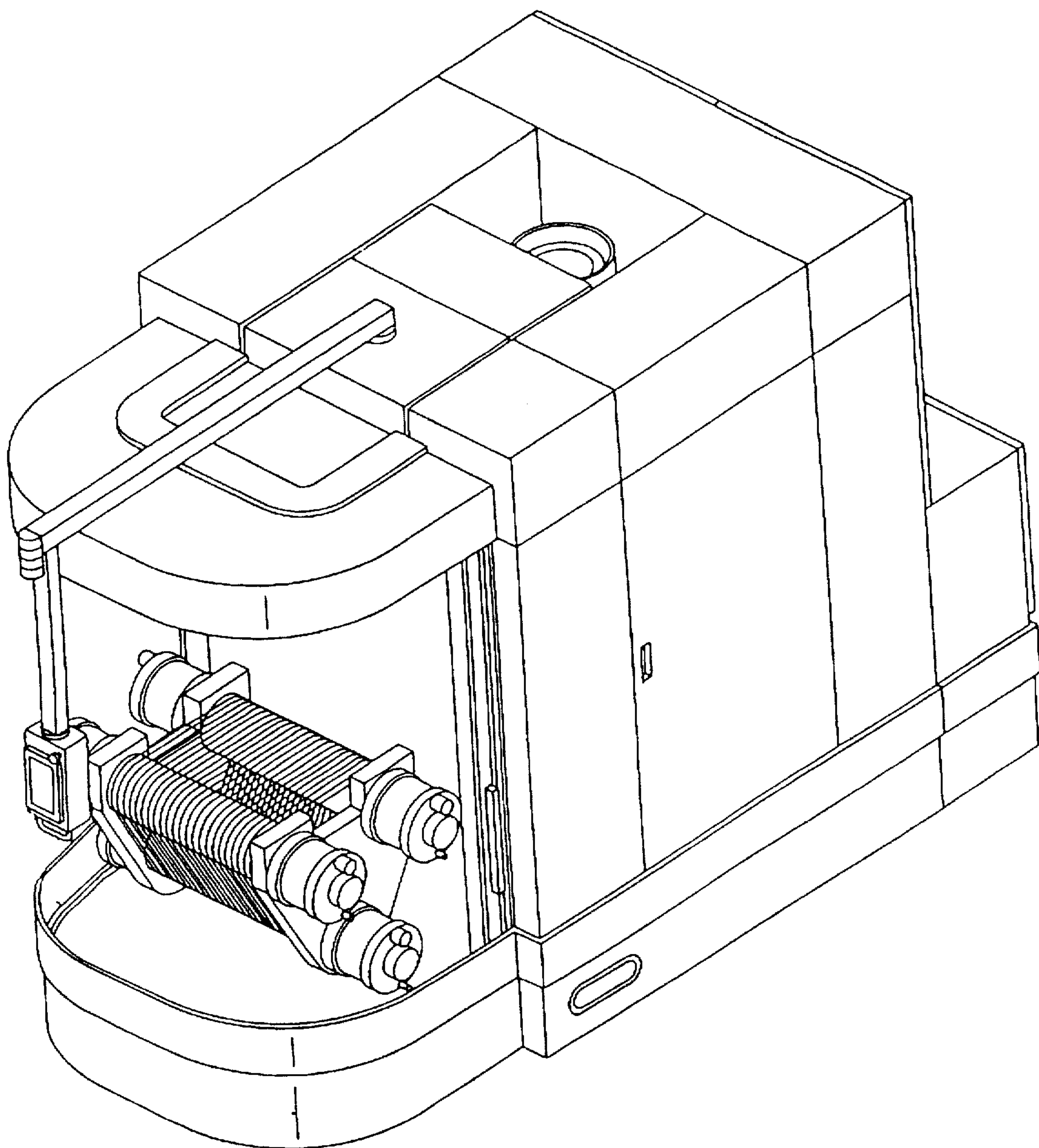


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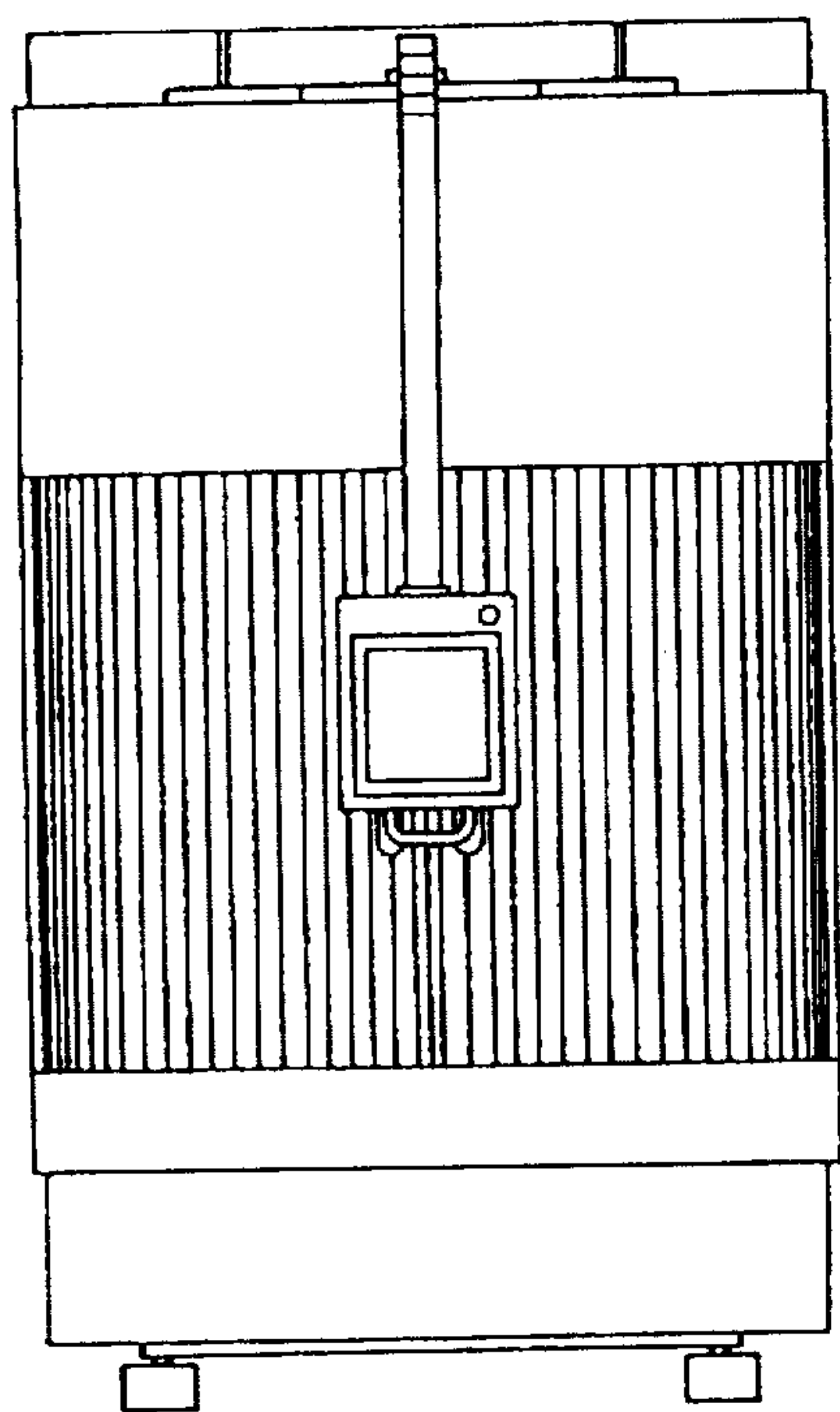


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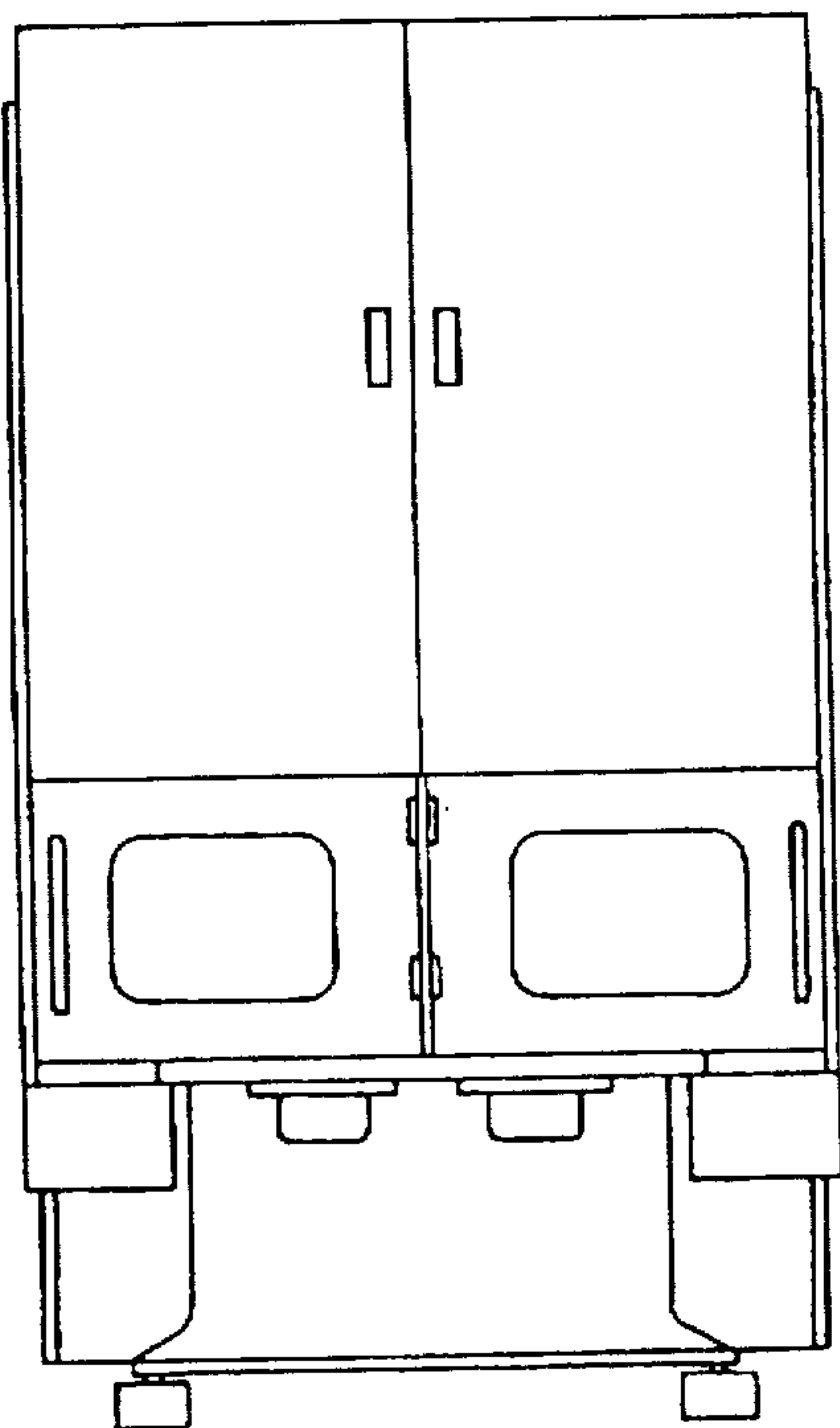


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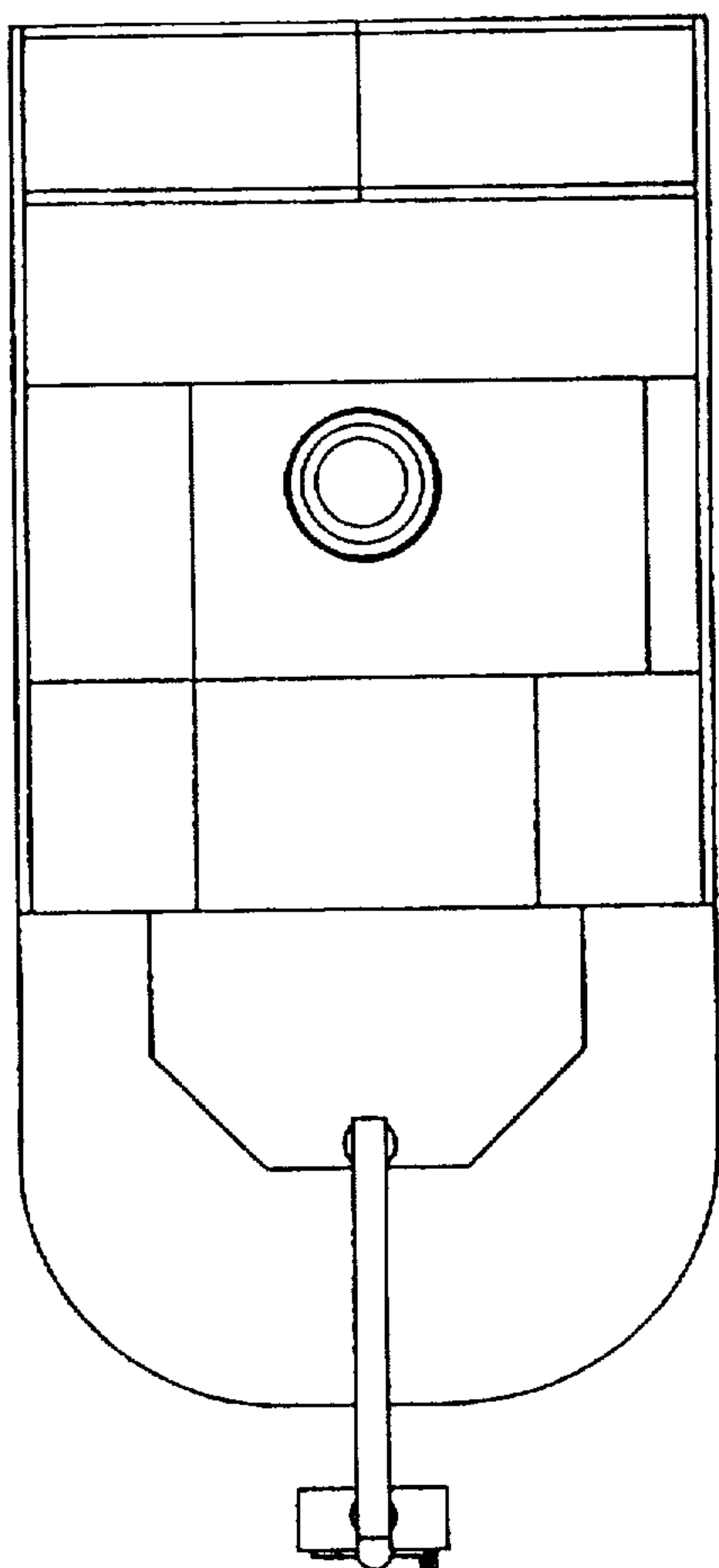


Fig. 22

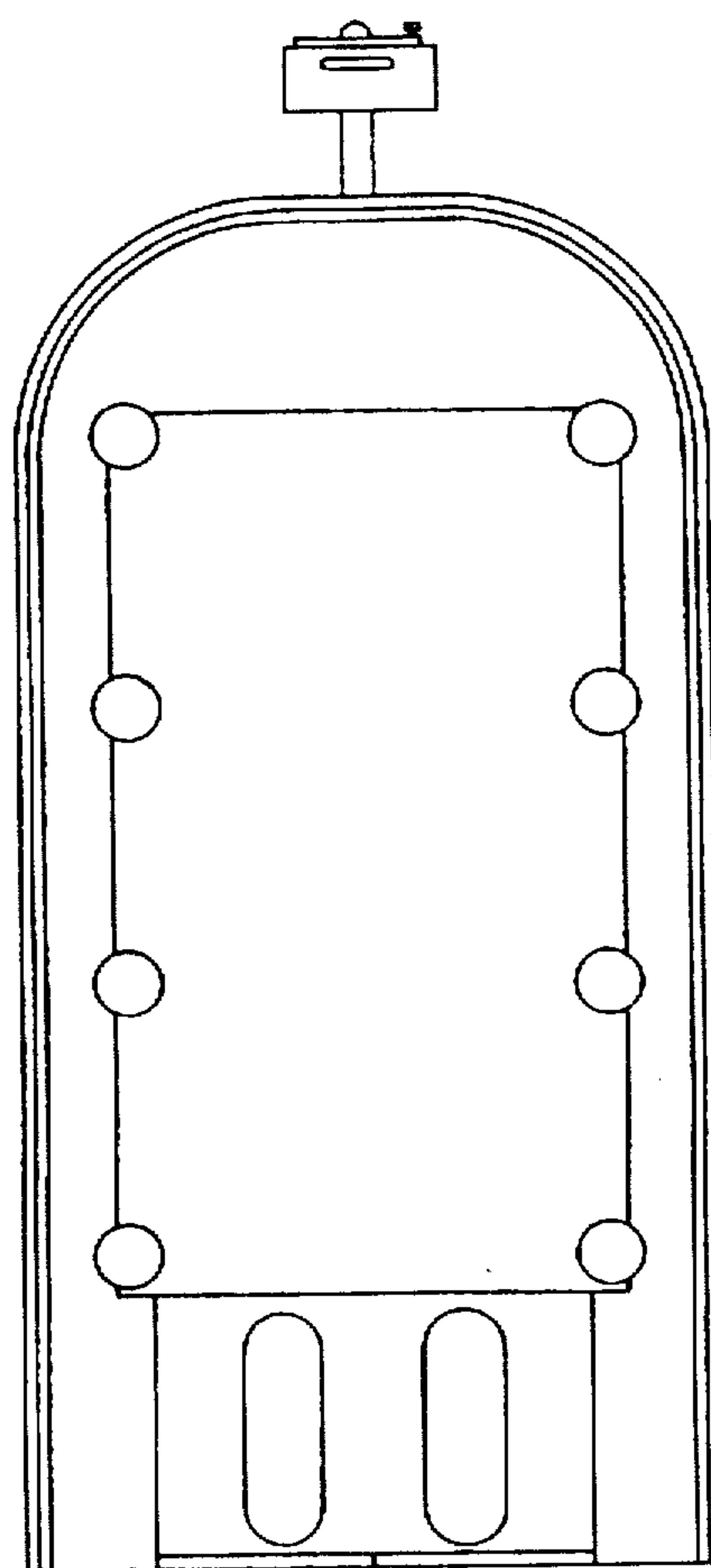


Fig. 23

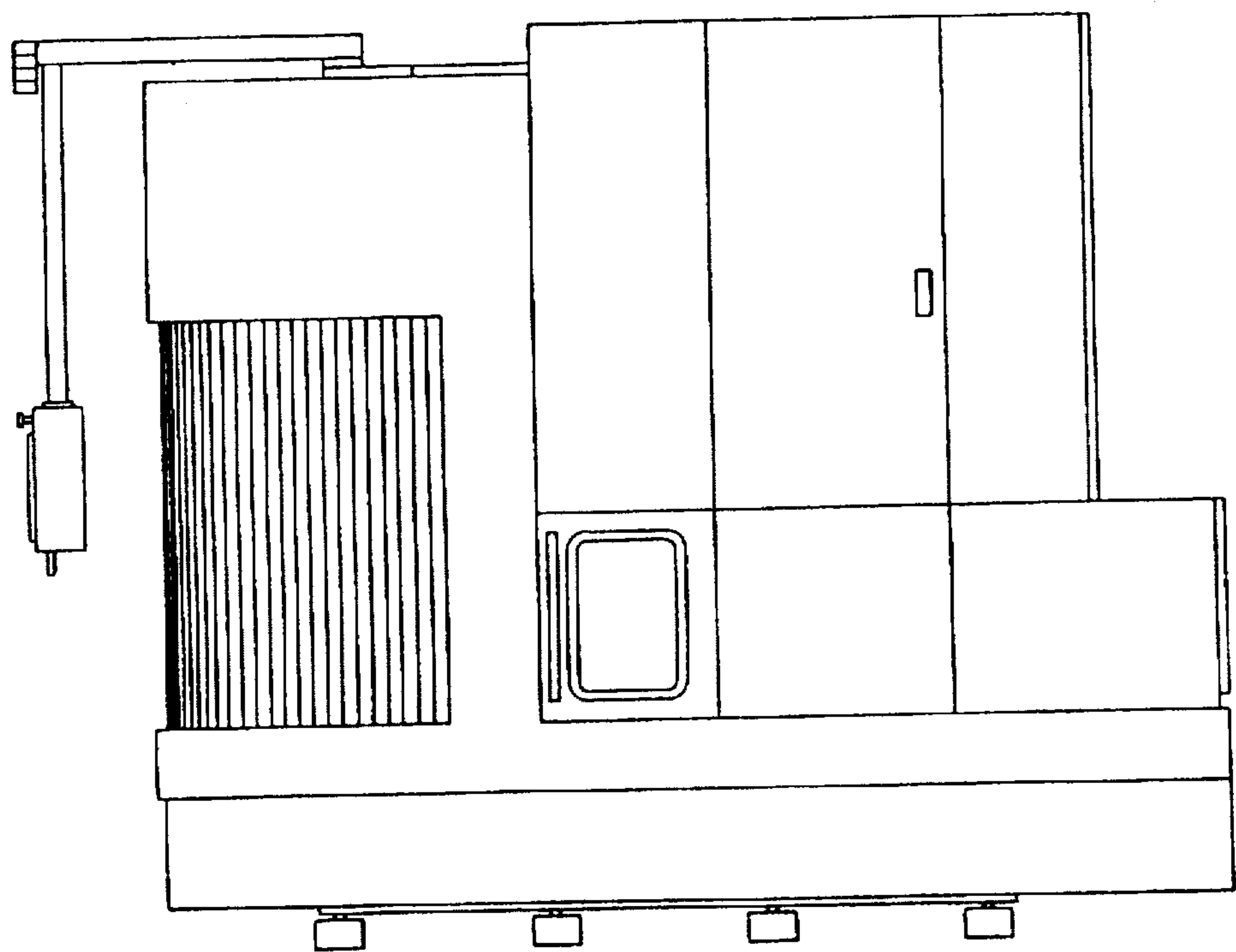


Fig. 24

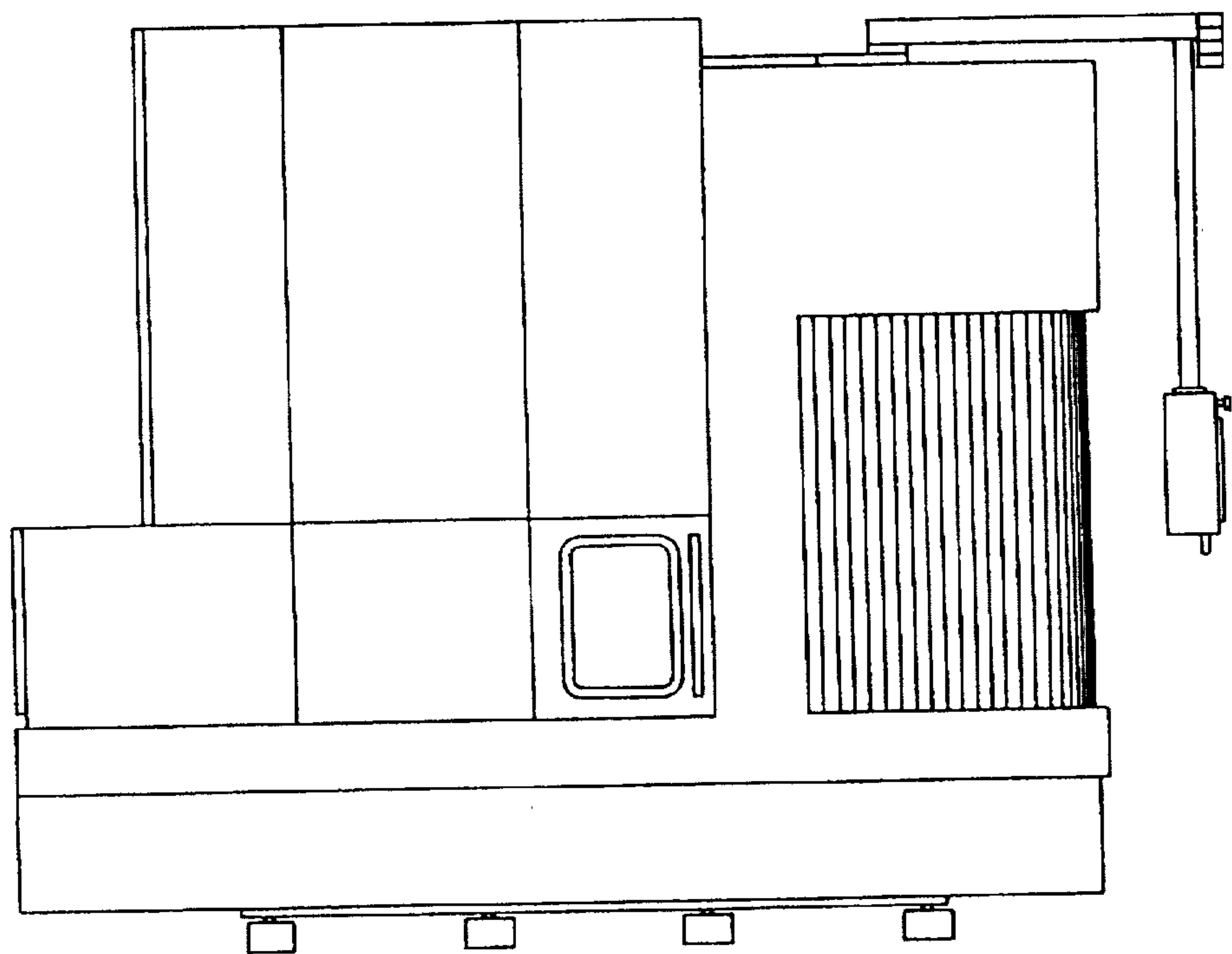


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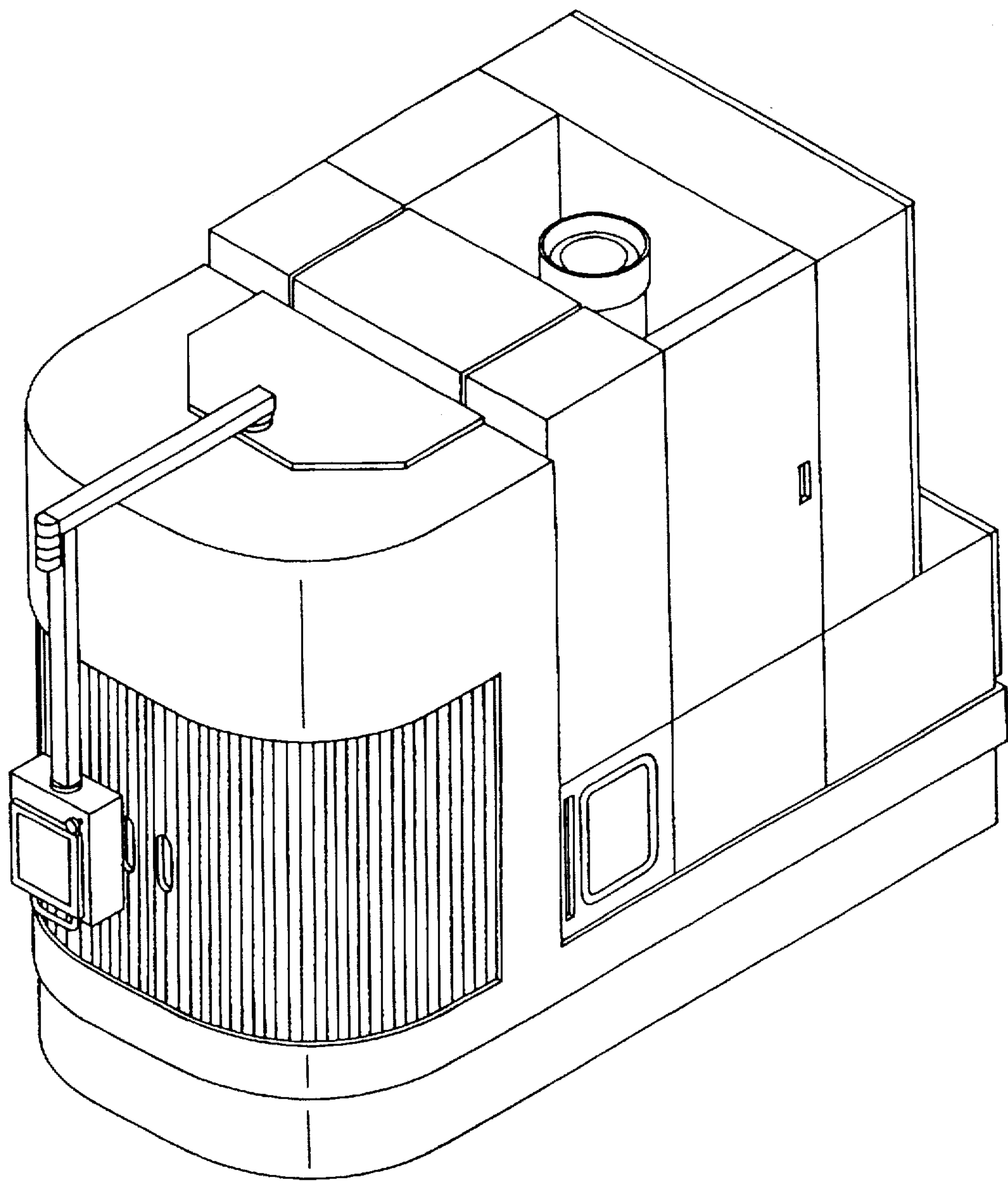


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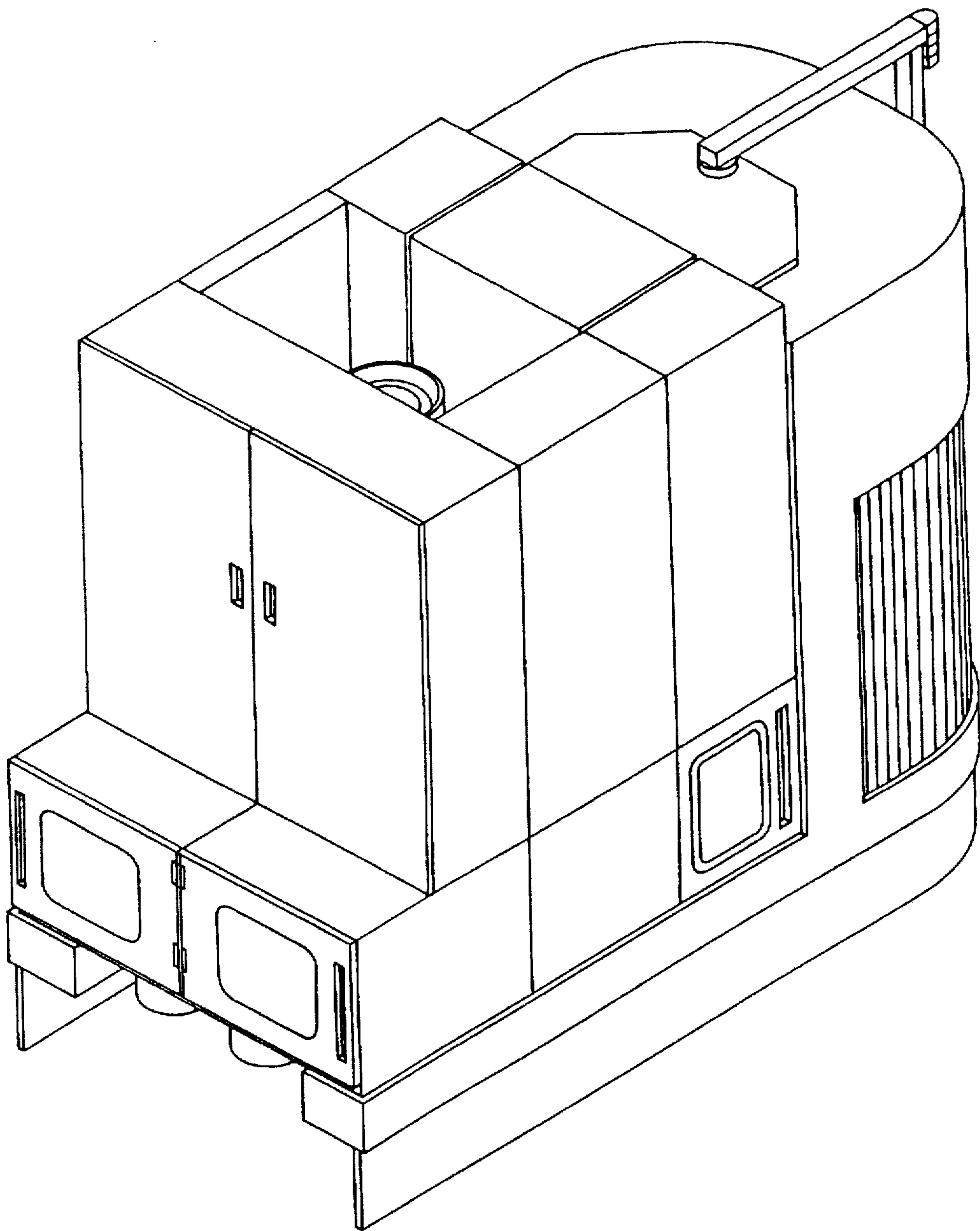


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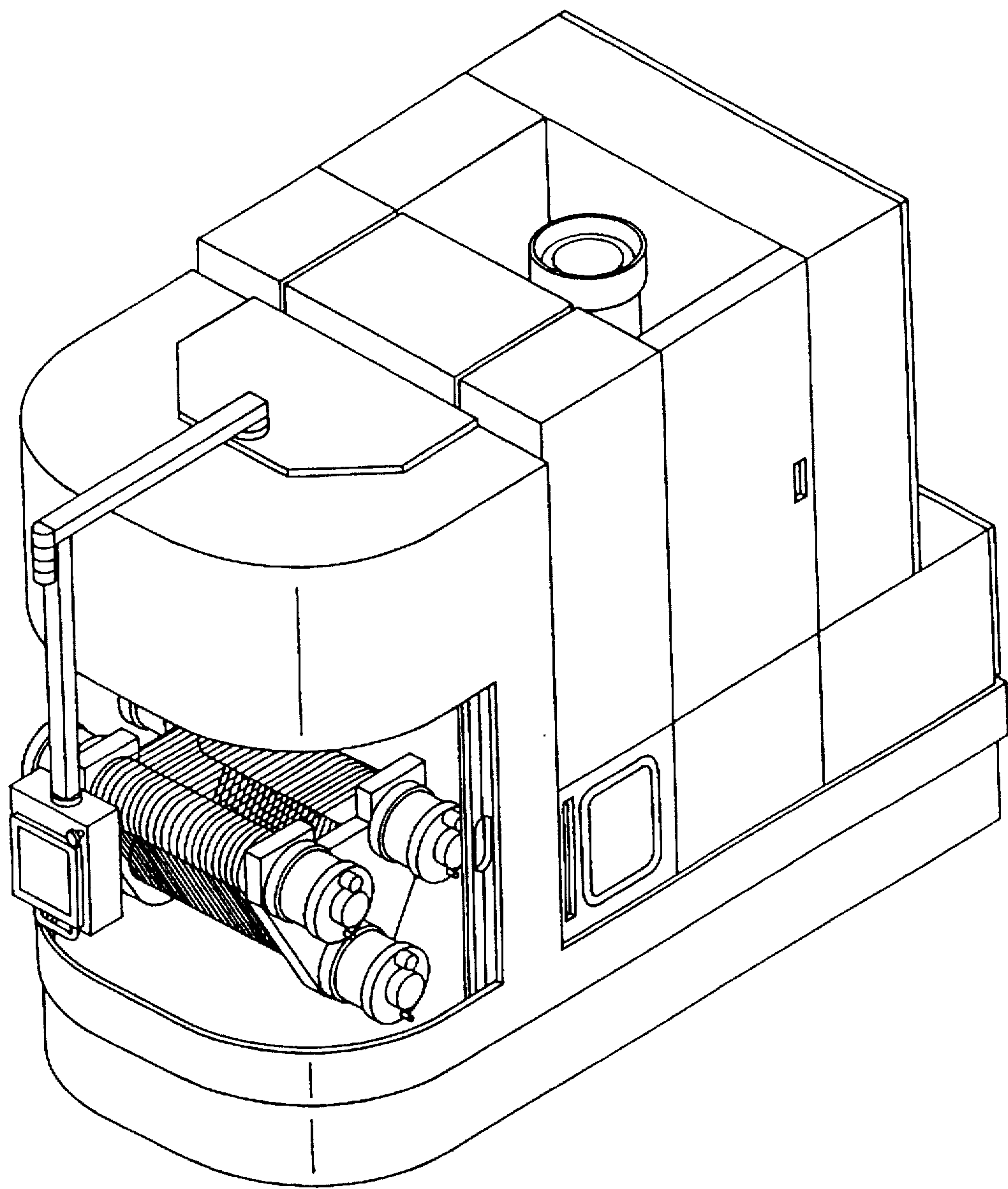


Fig. 28

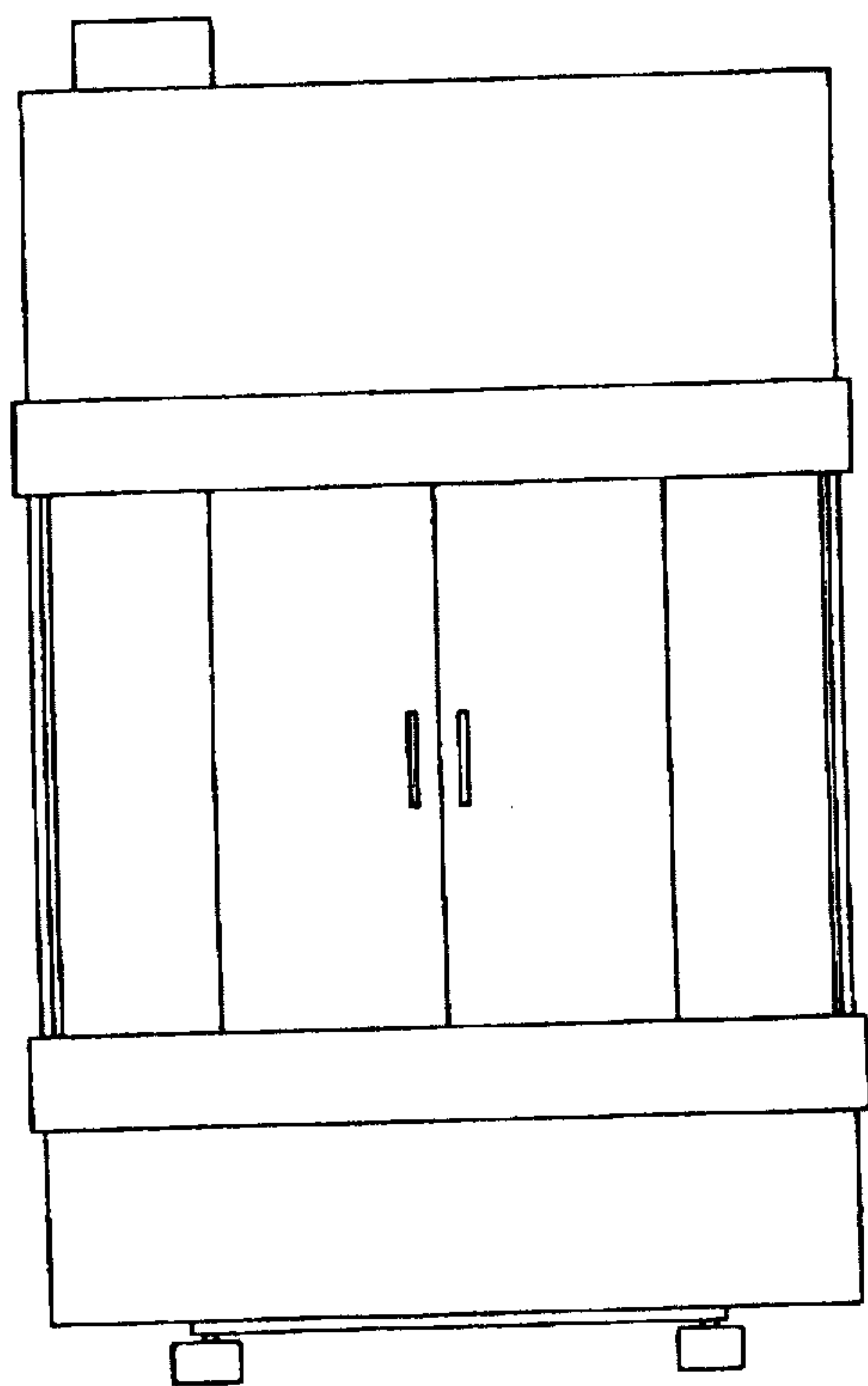


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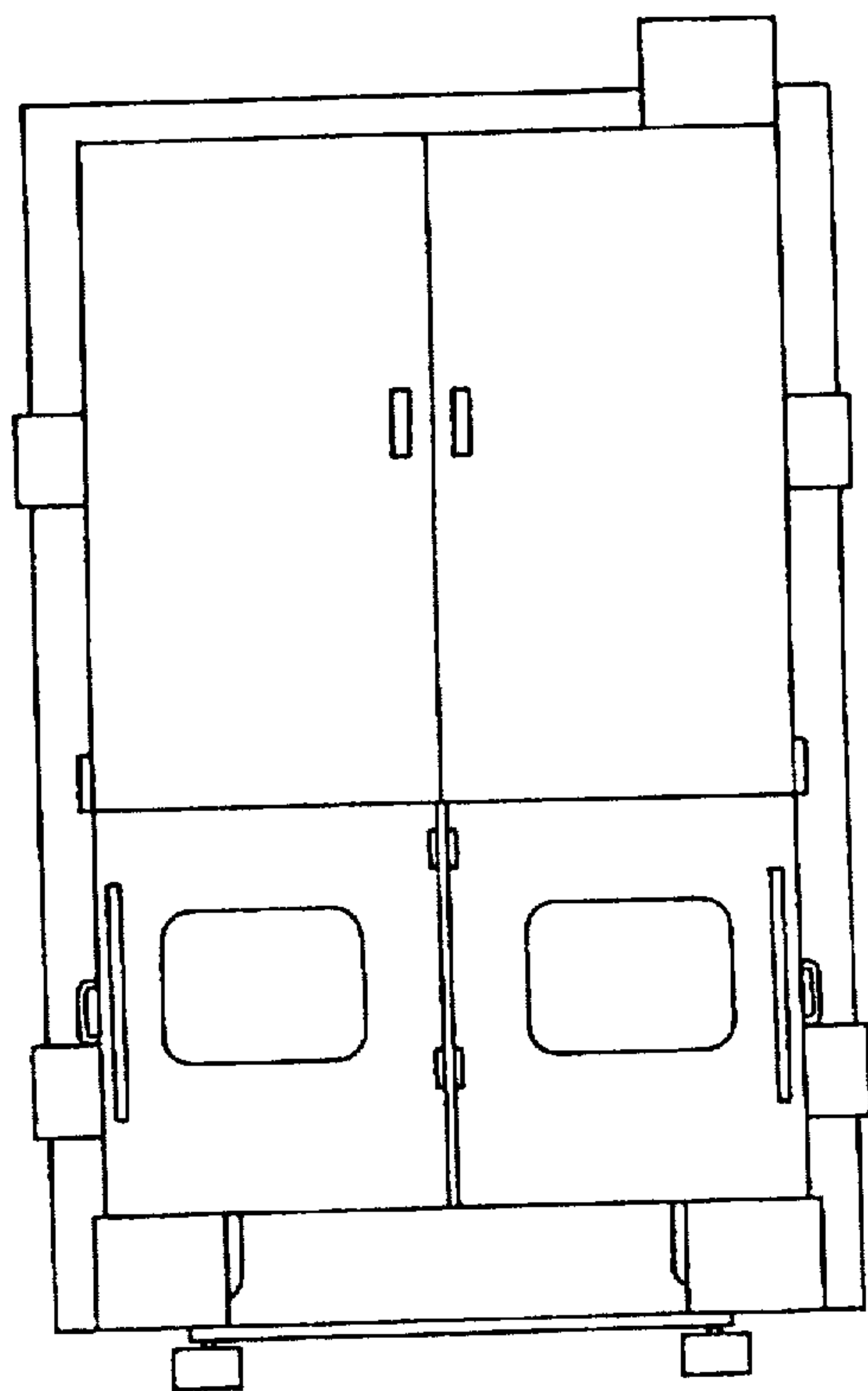


Fig. 30

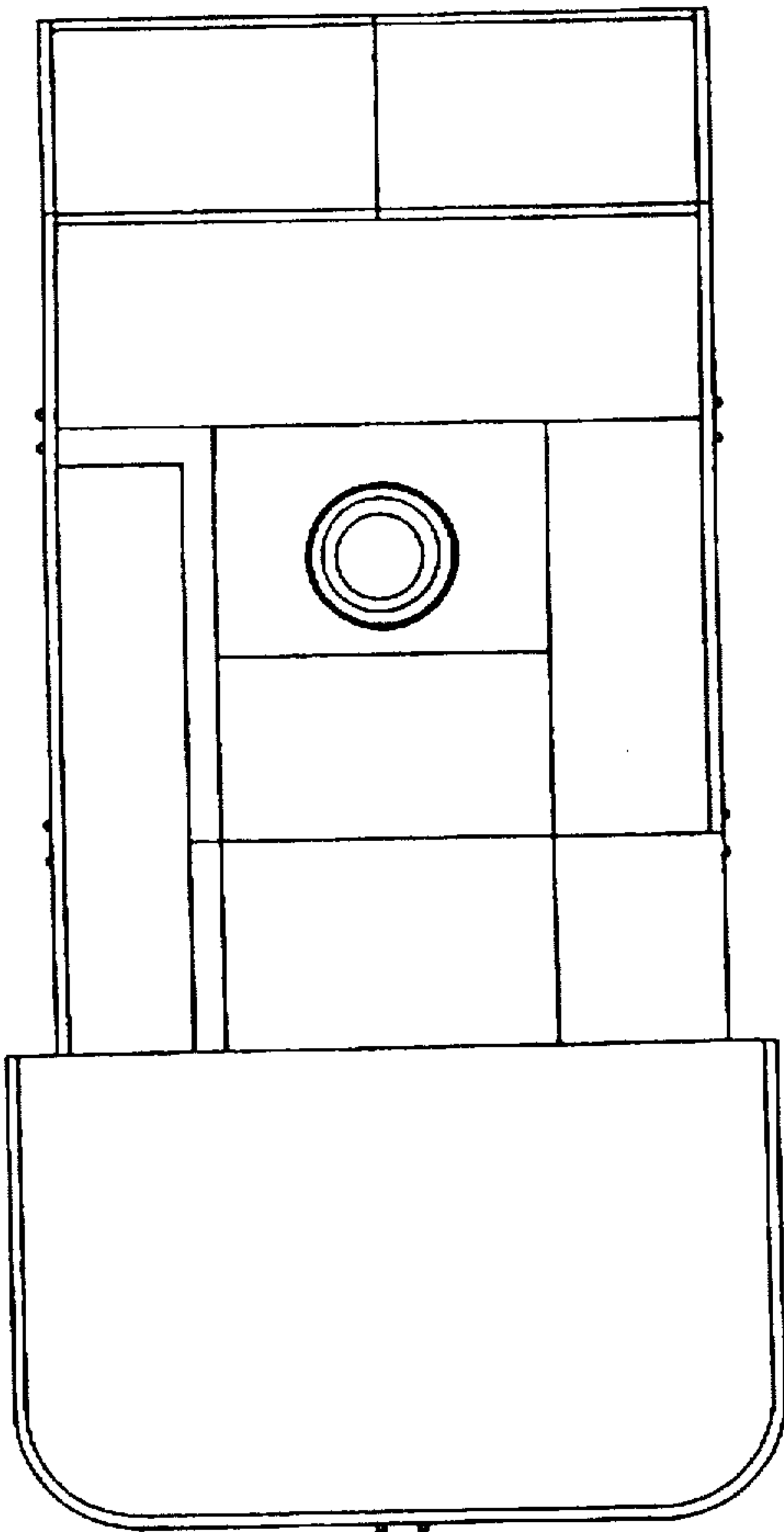


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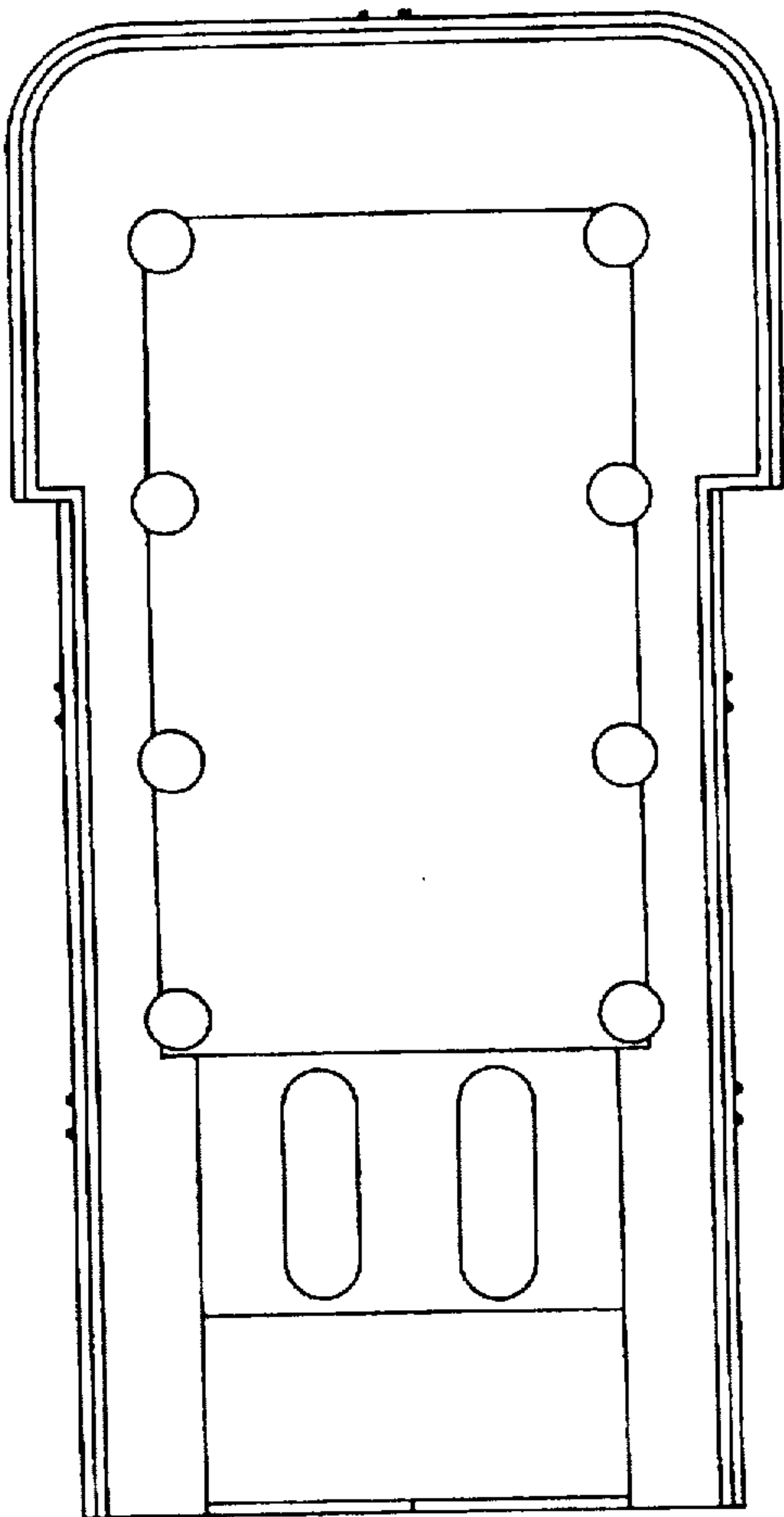


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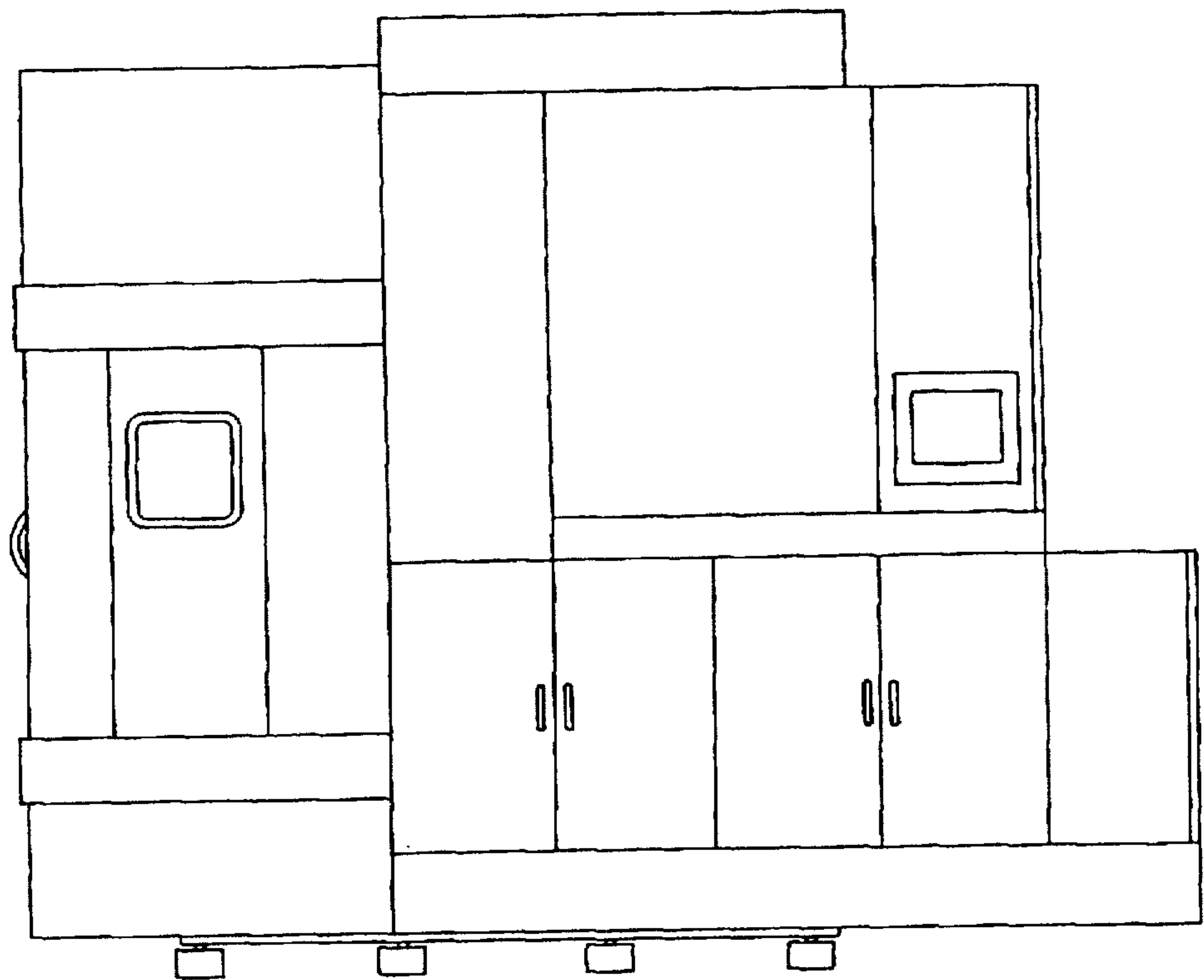


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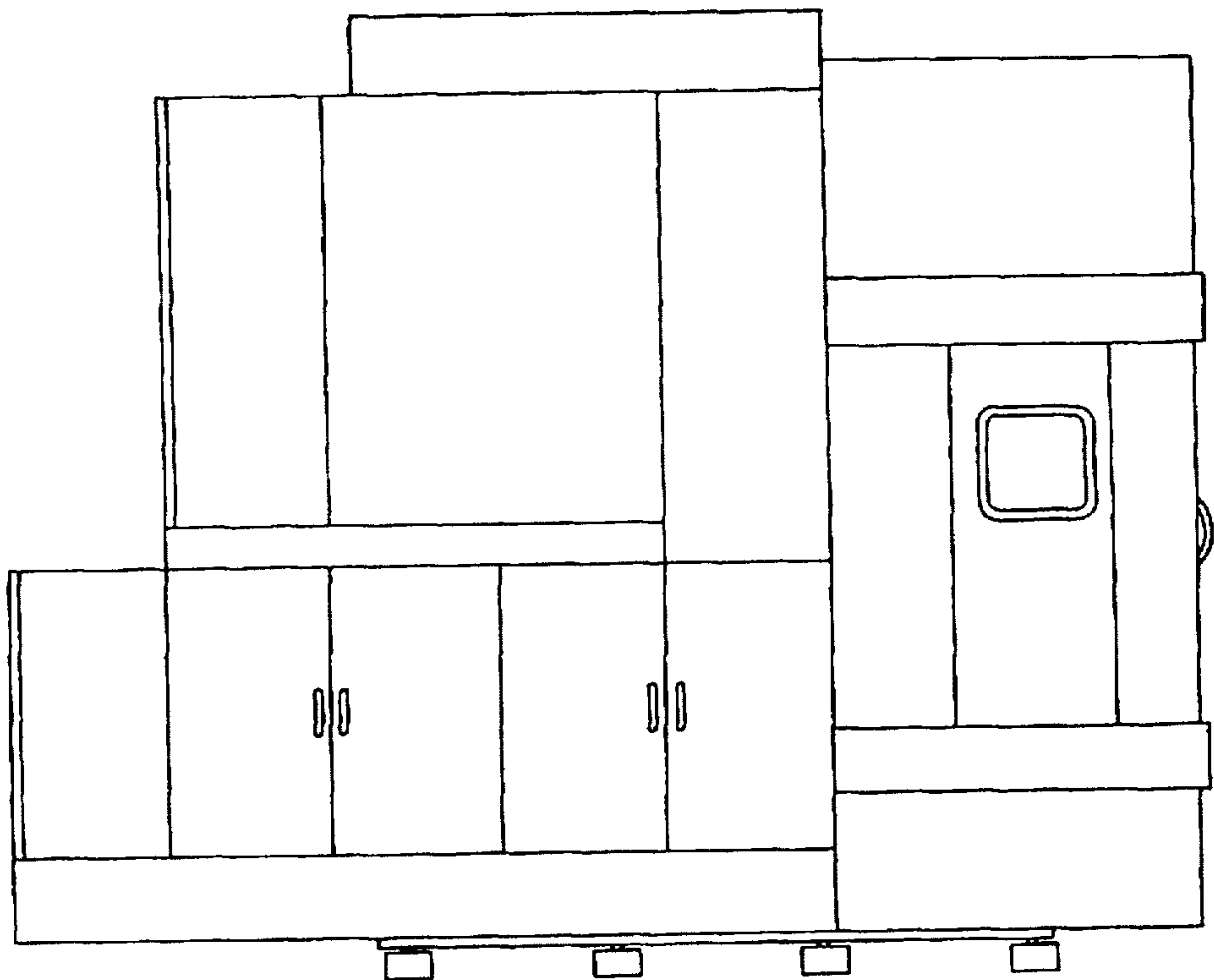


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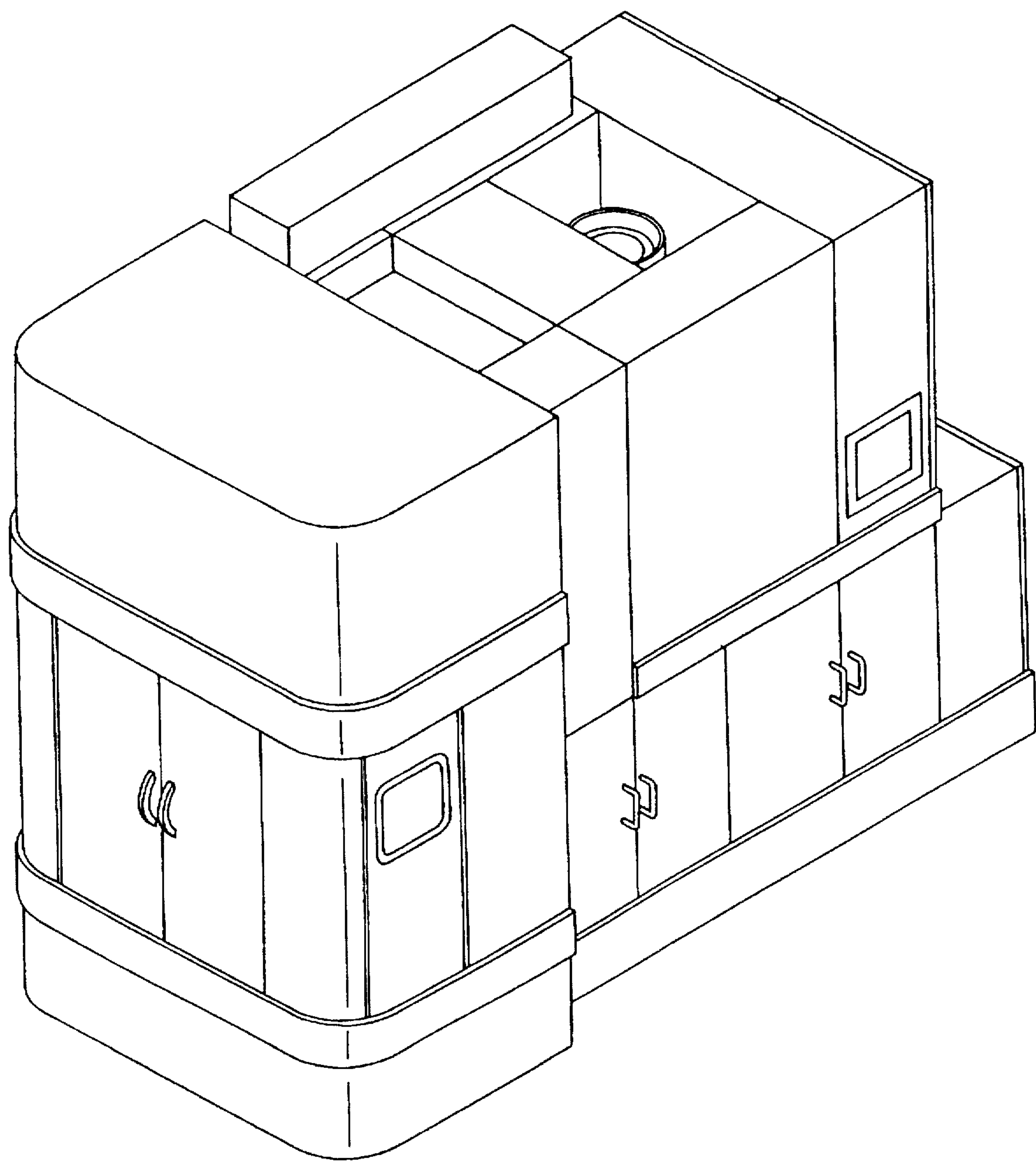


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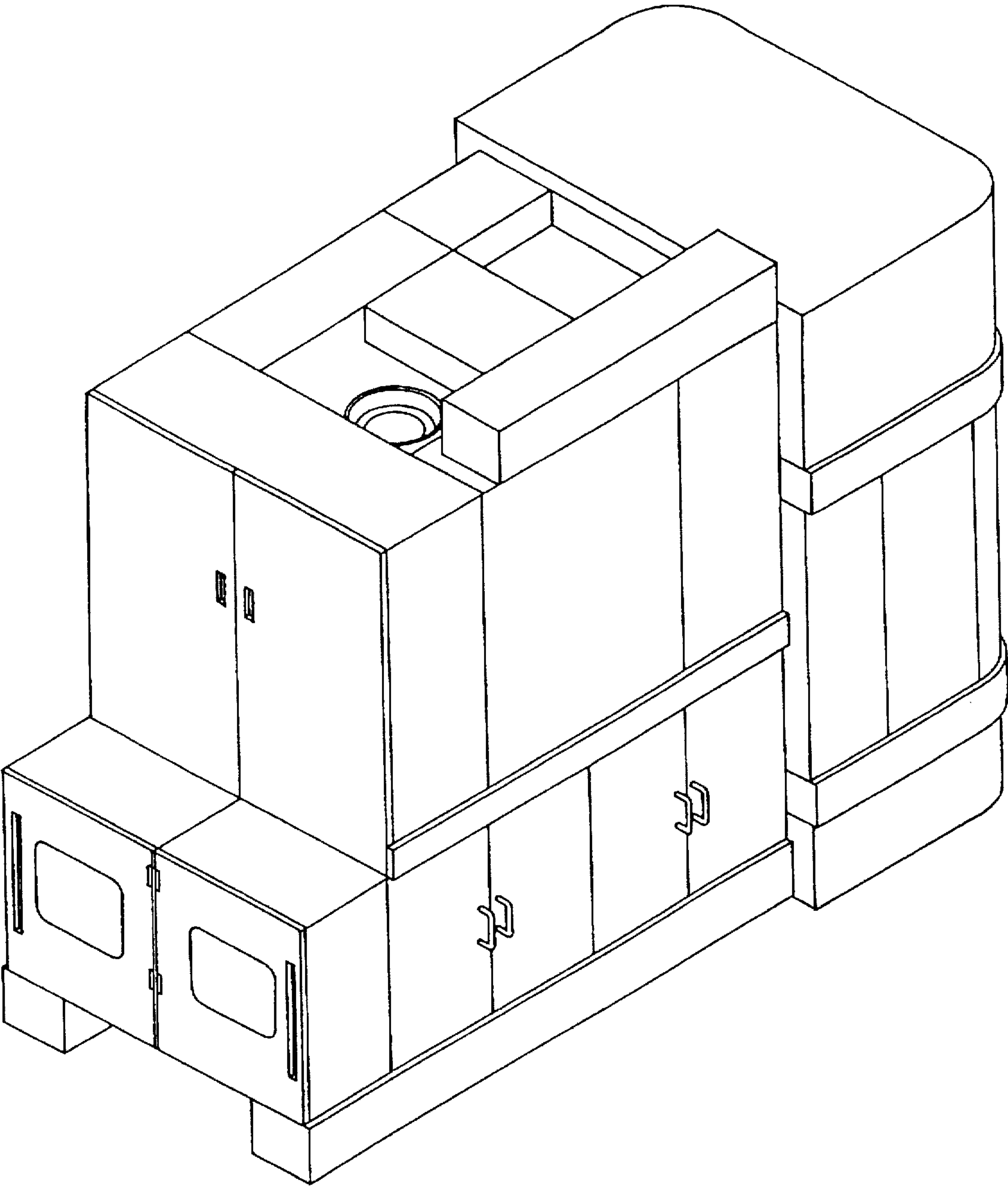


Fig. 36

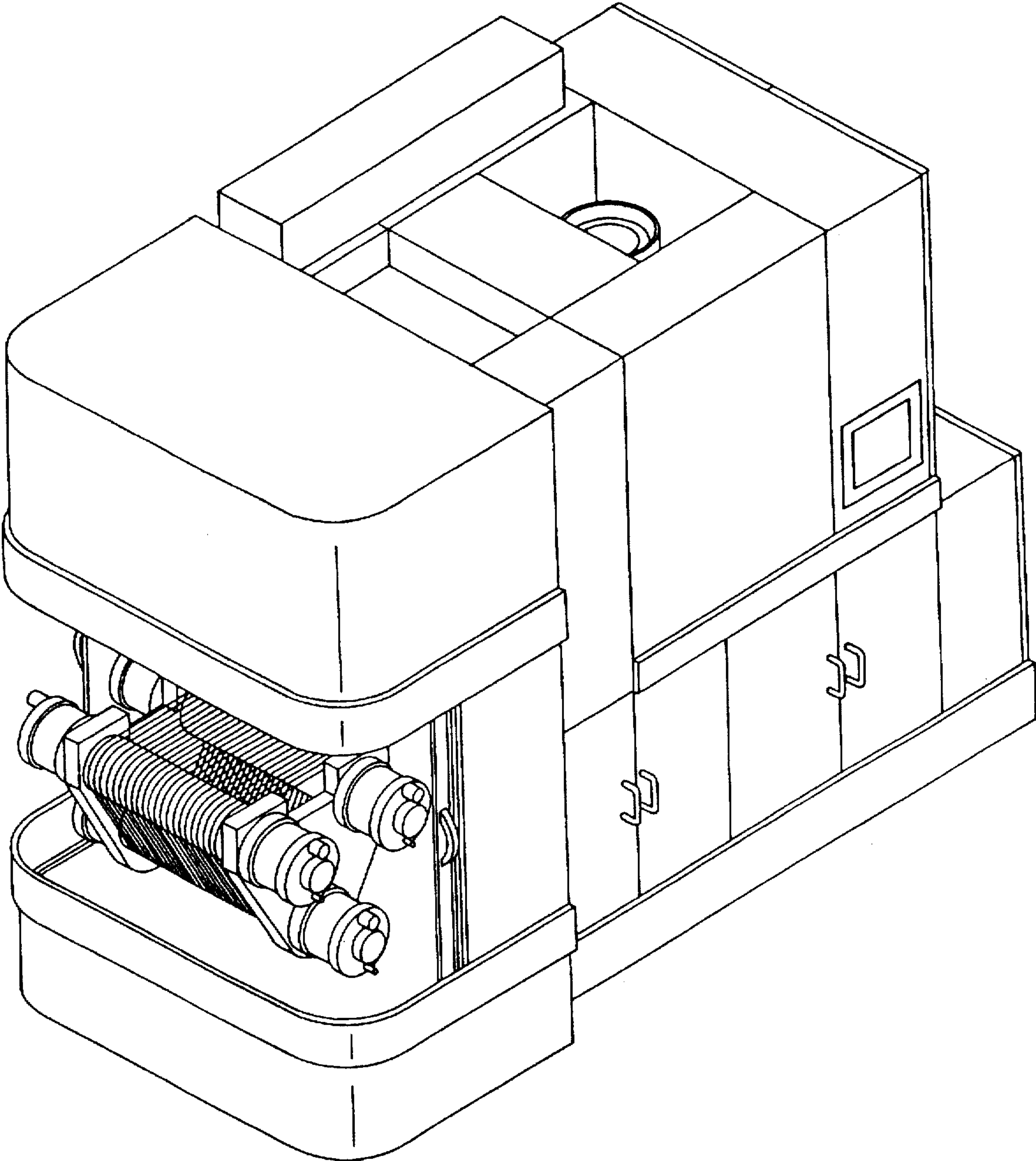


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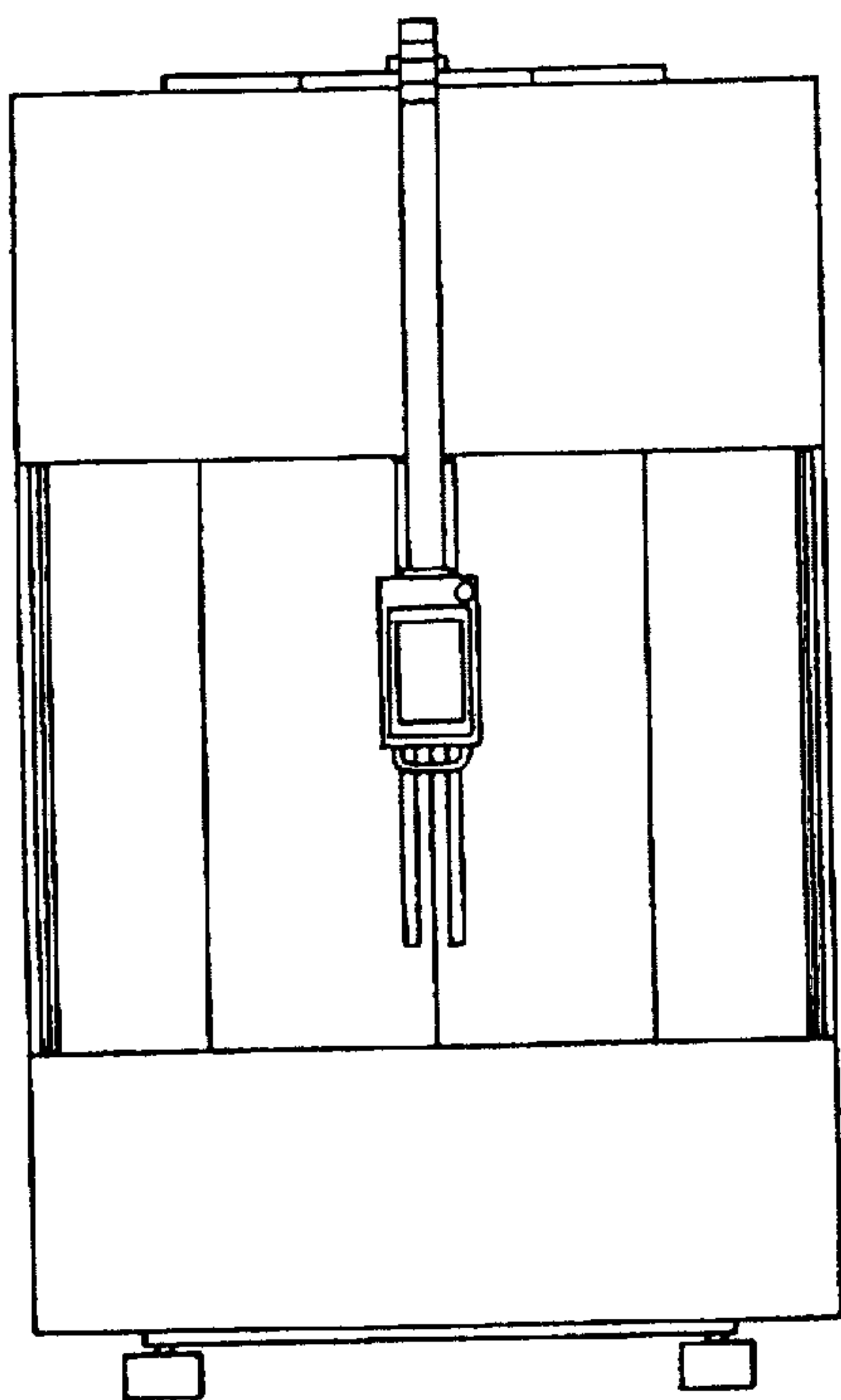


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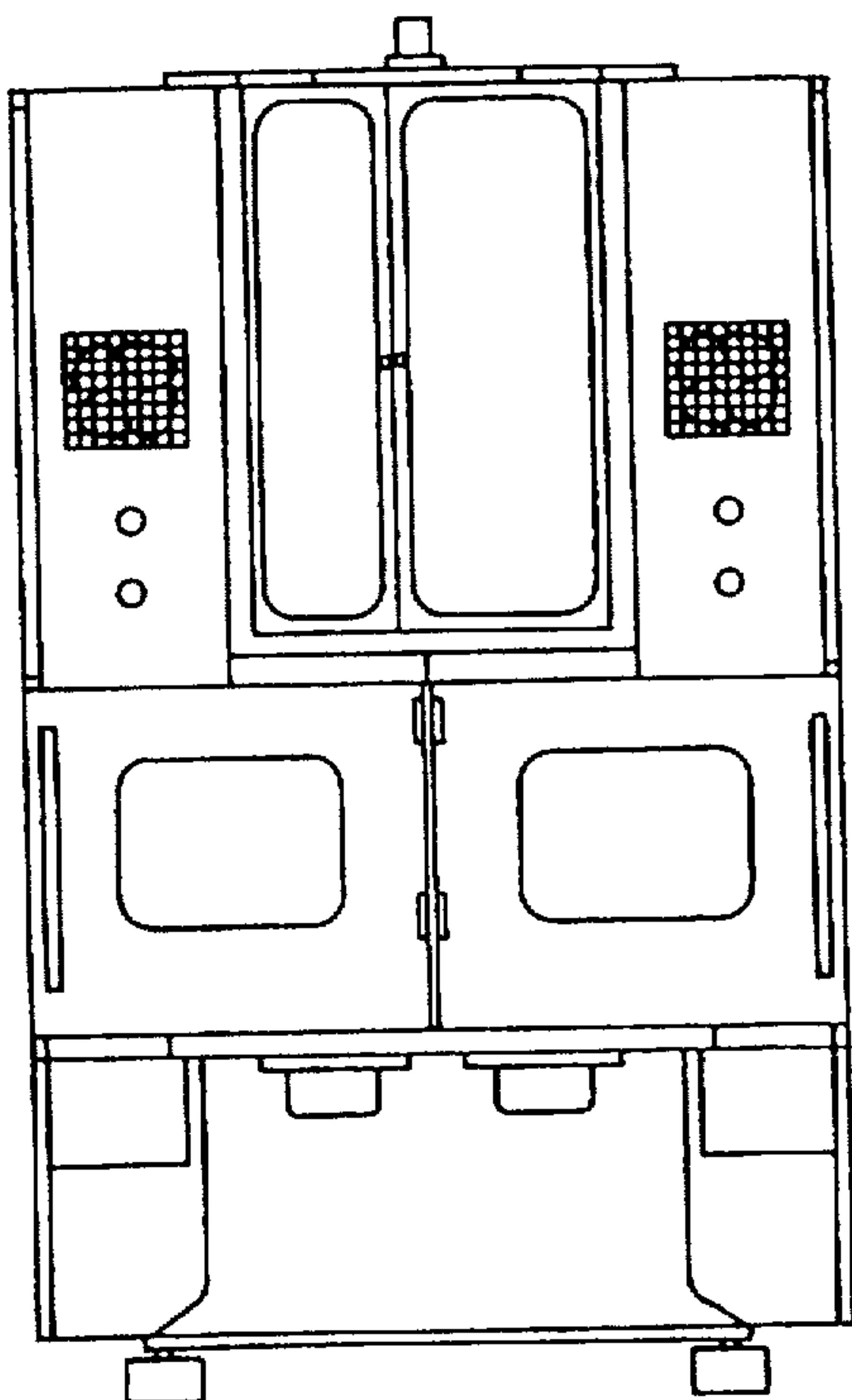


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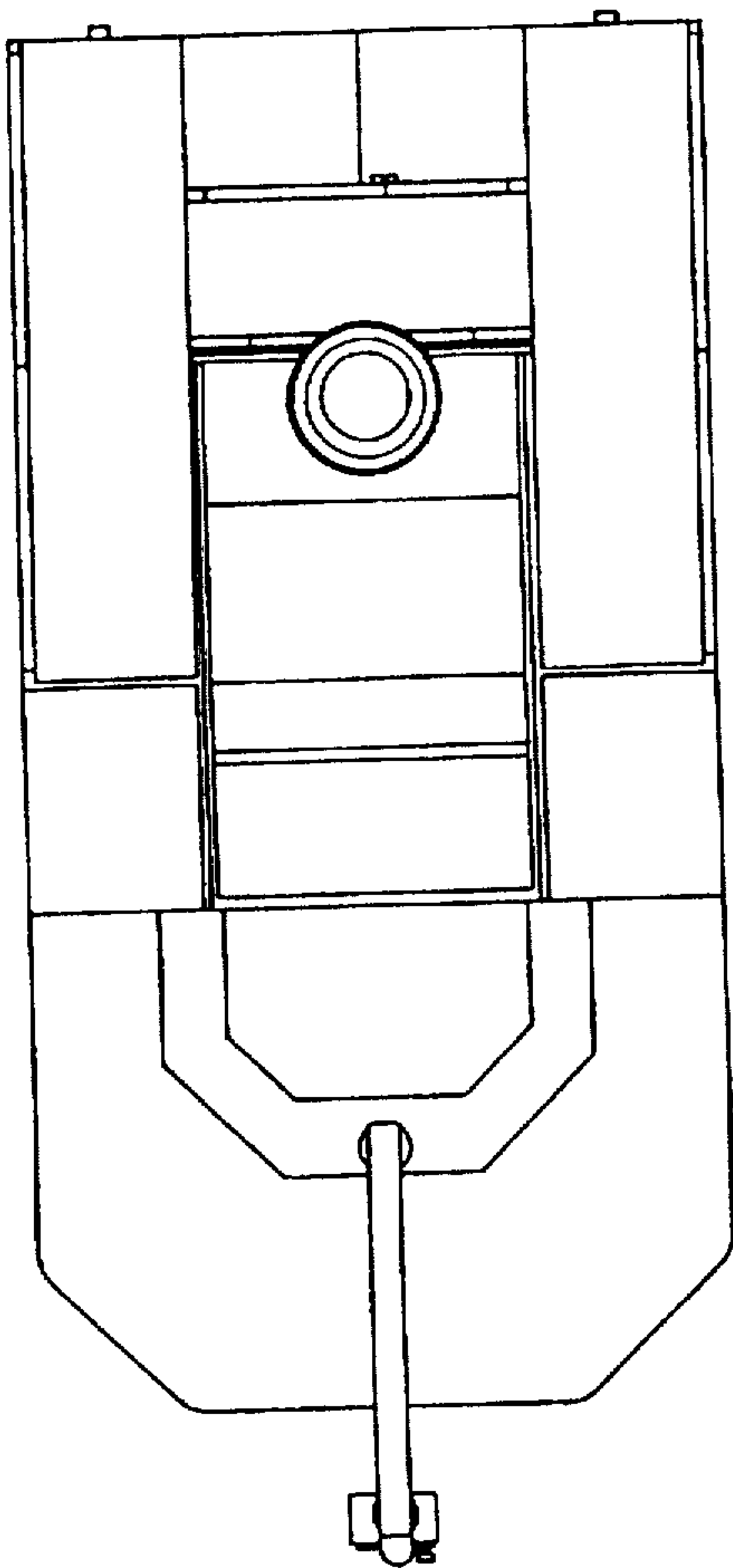


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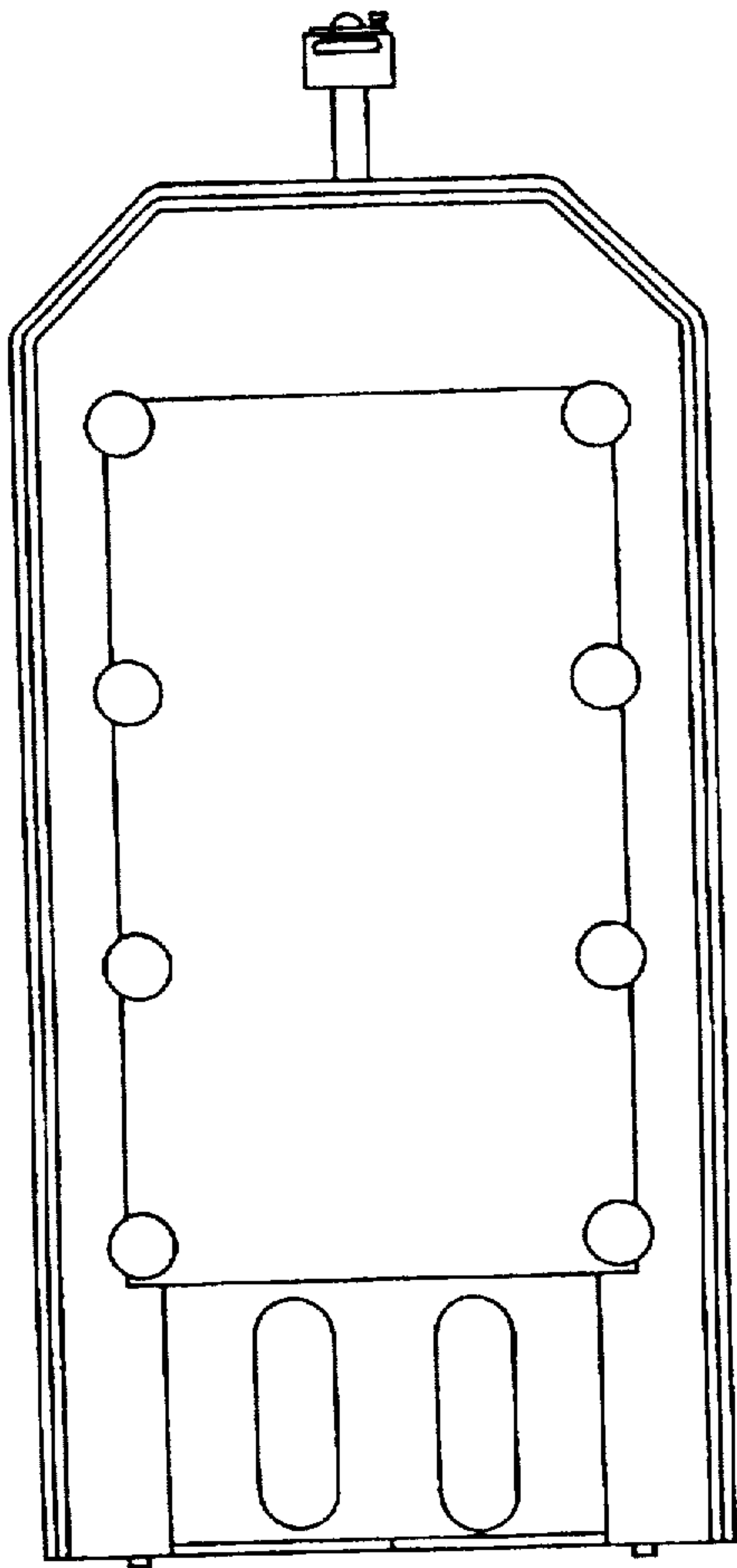


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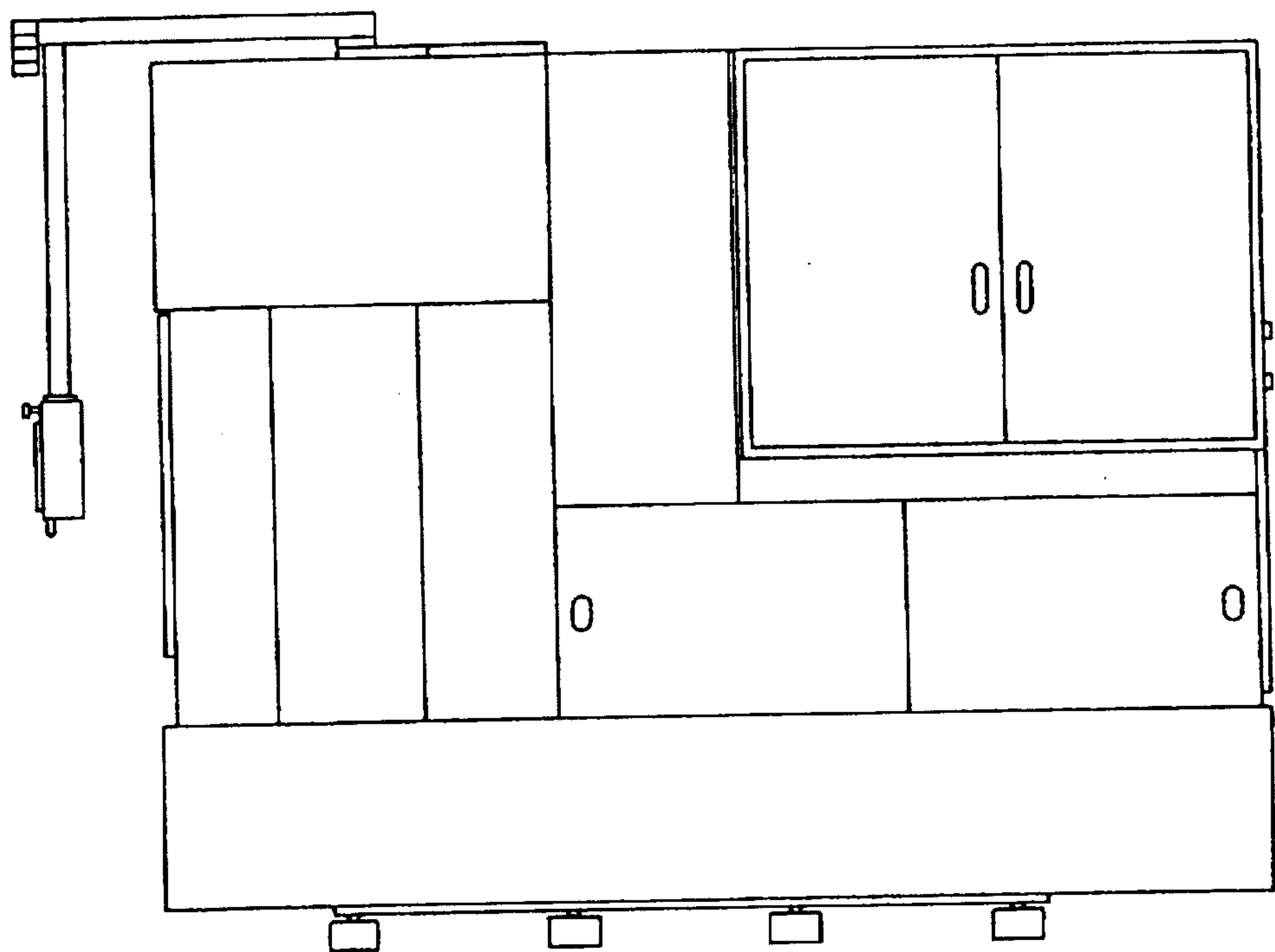


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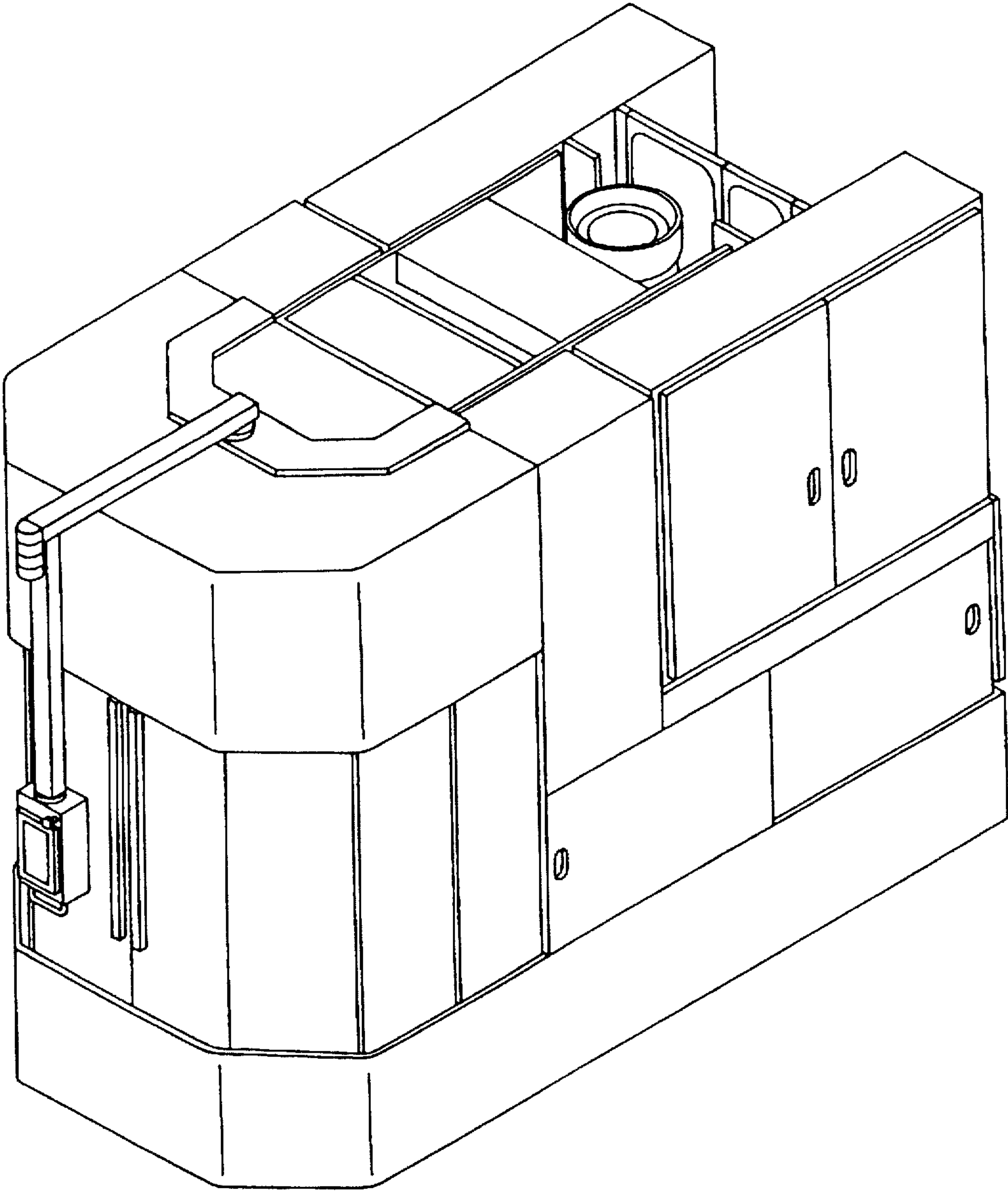


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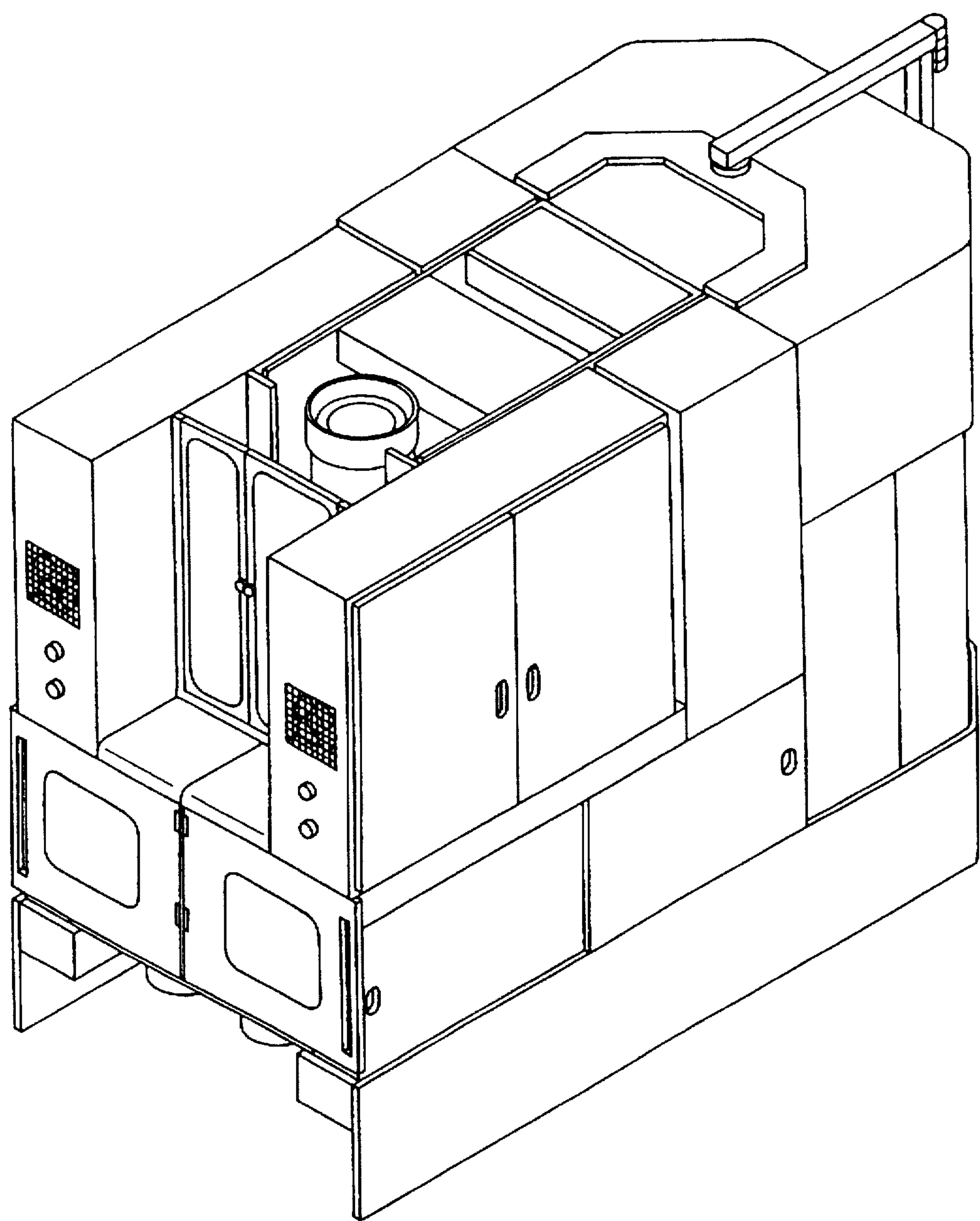


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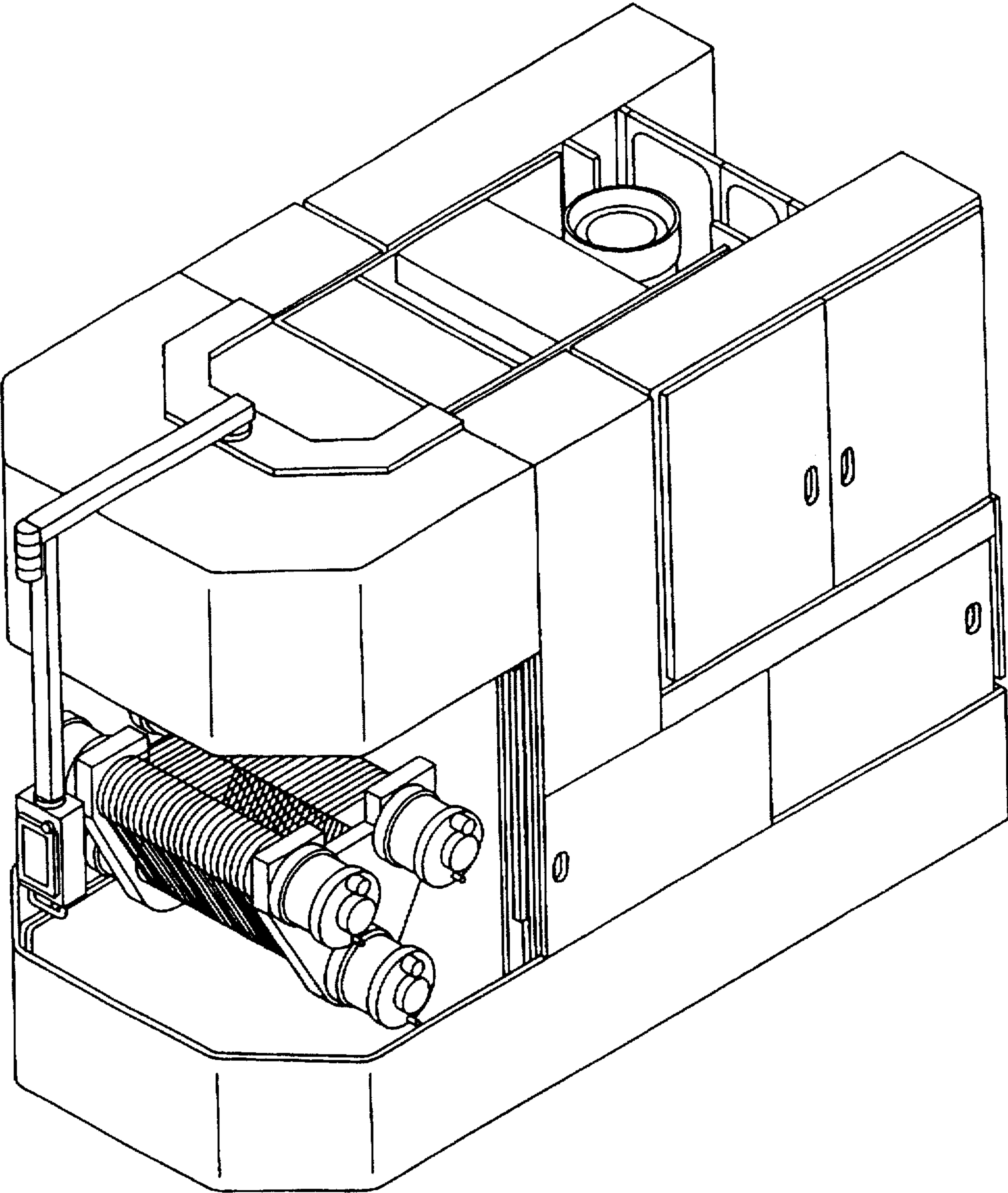


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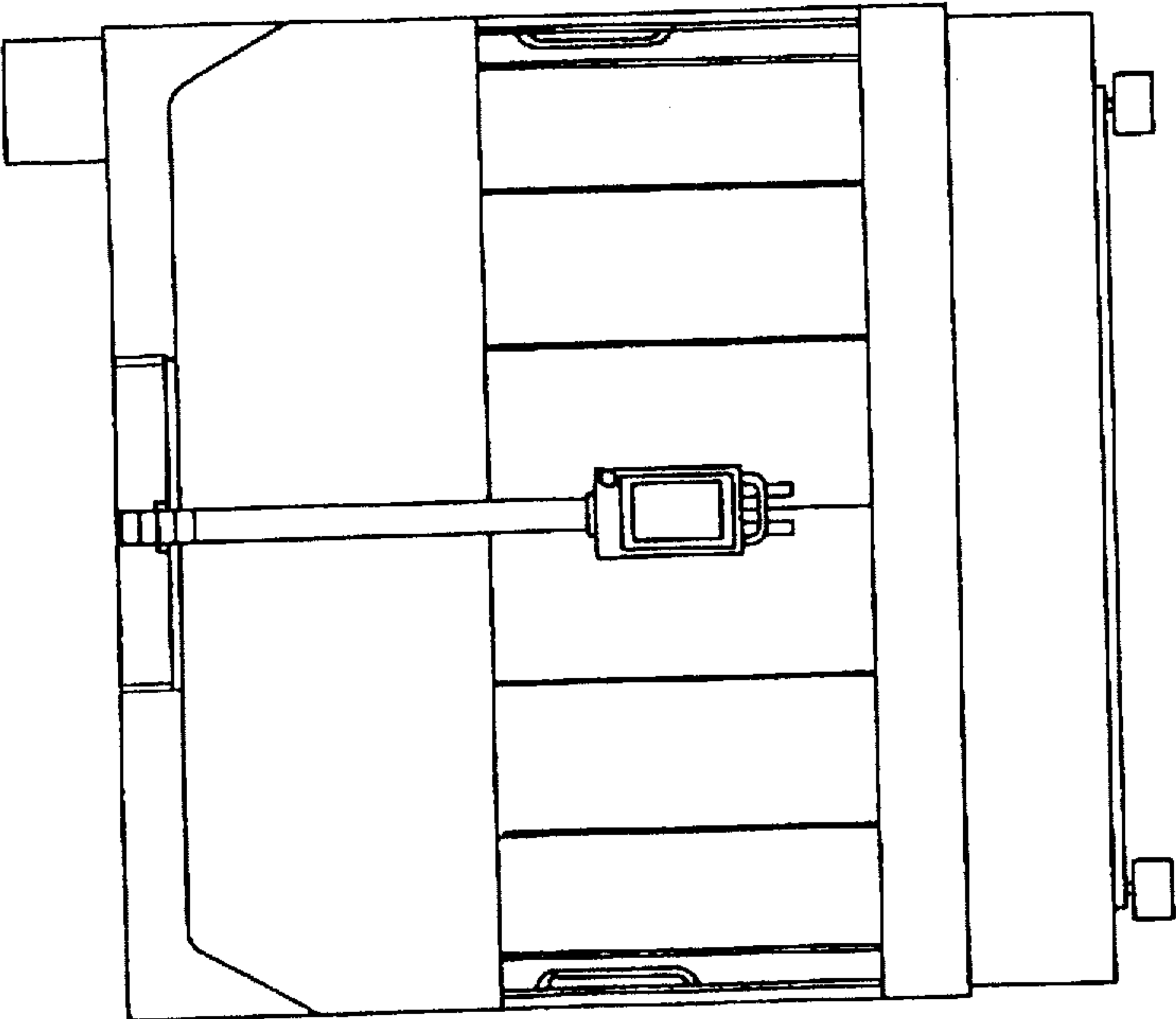


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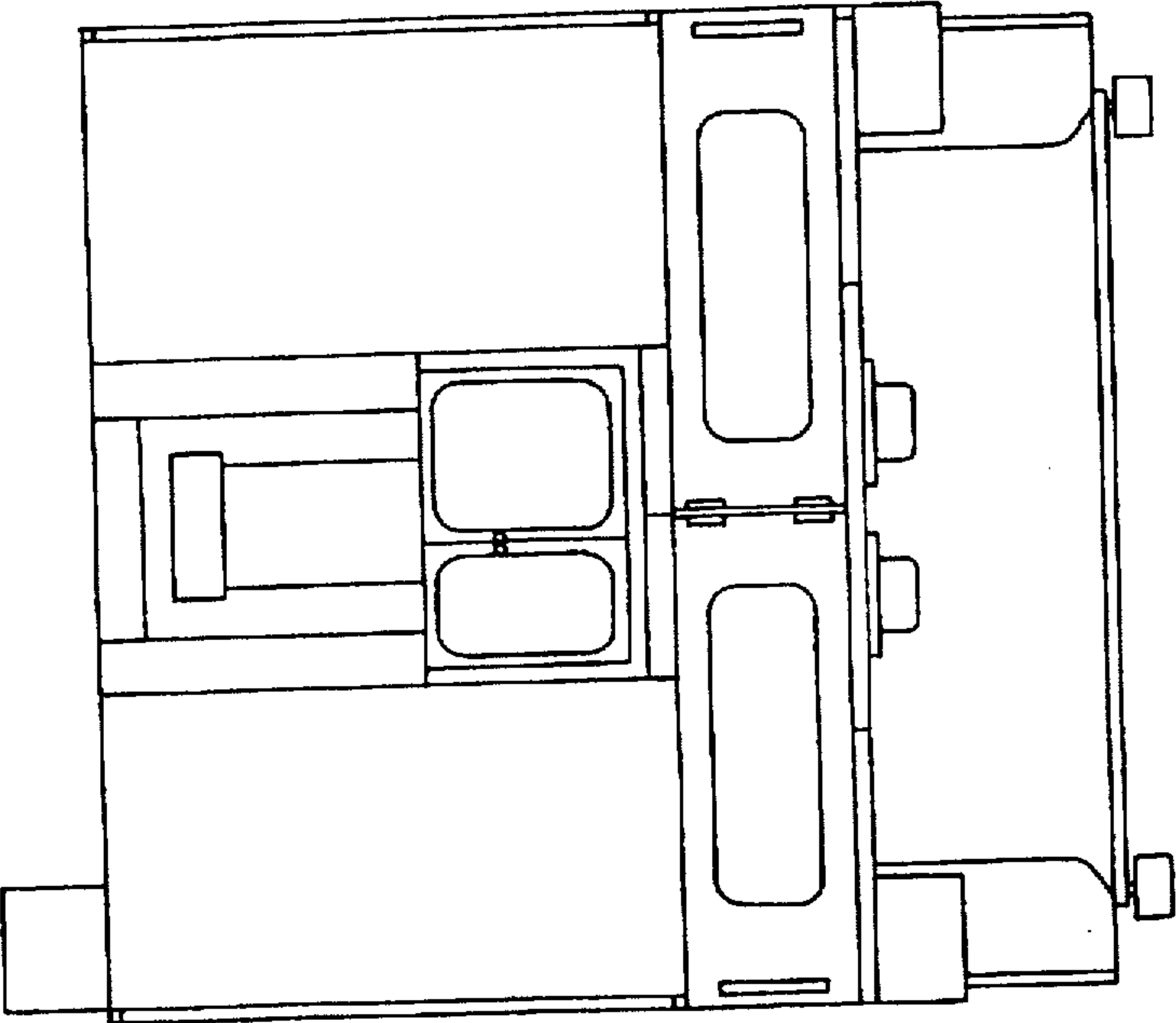


Fig. 47

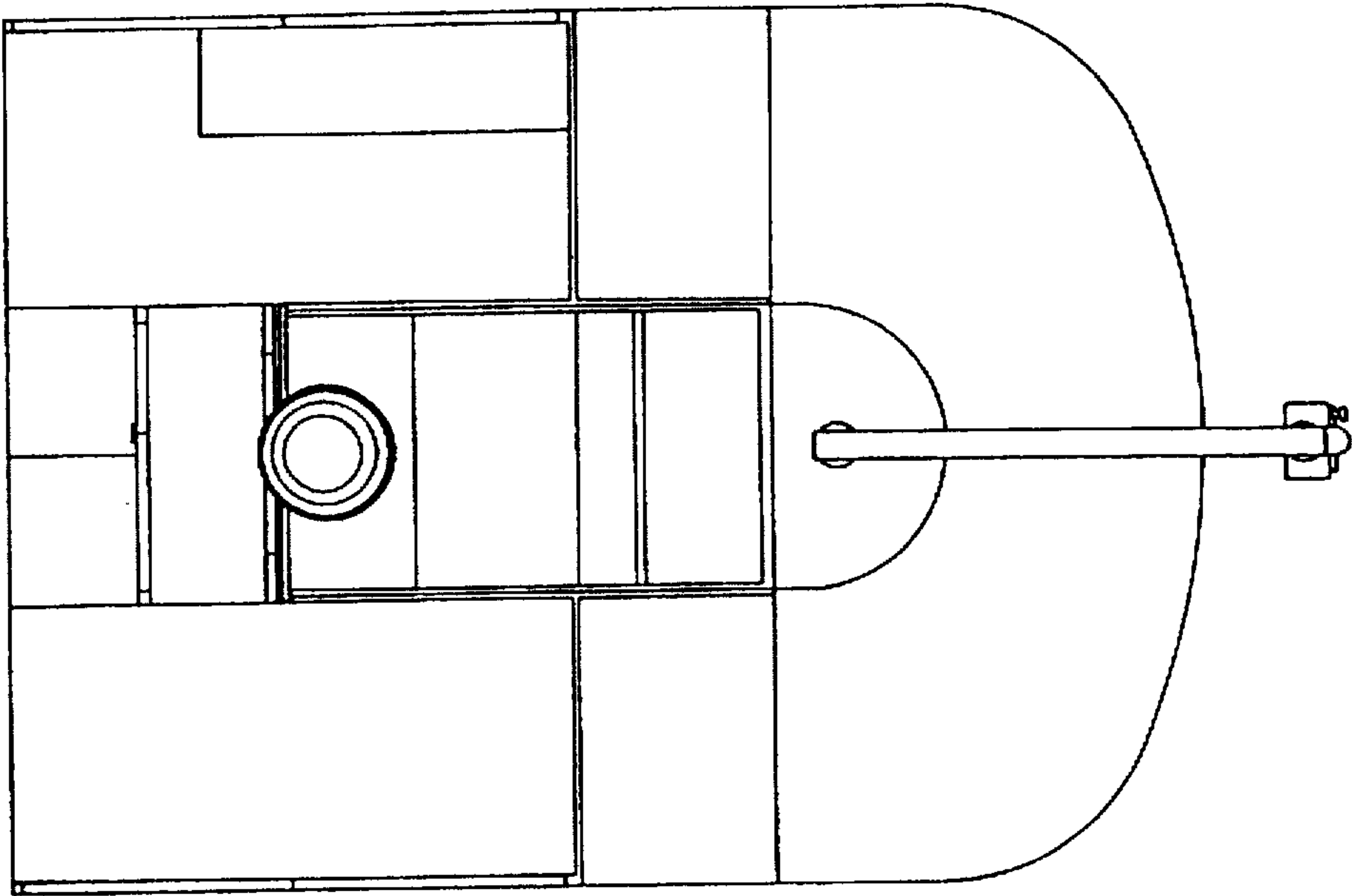


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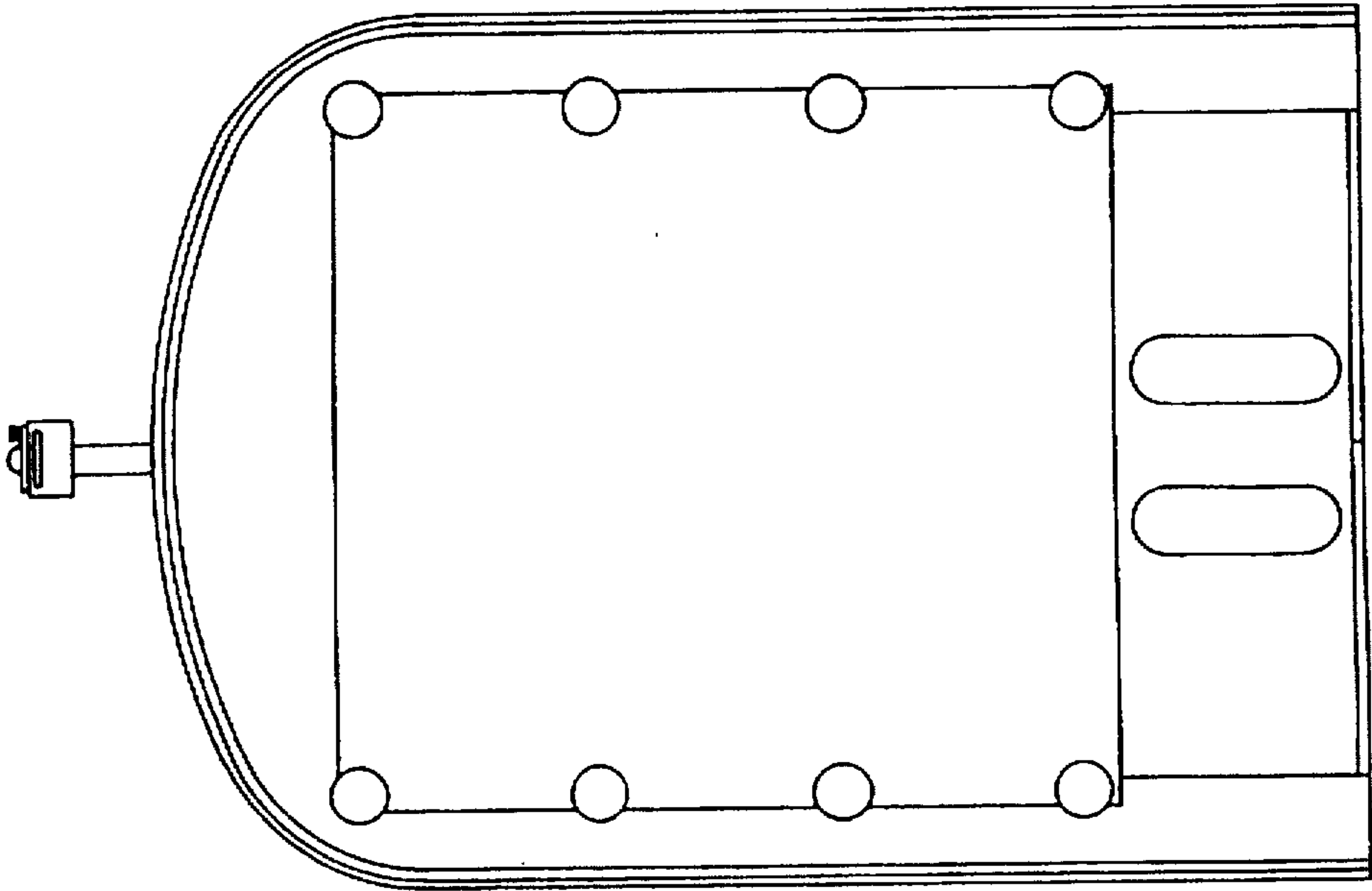


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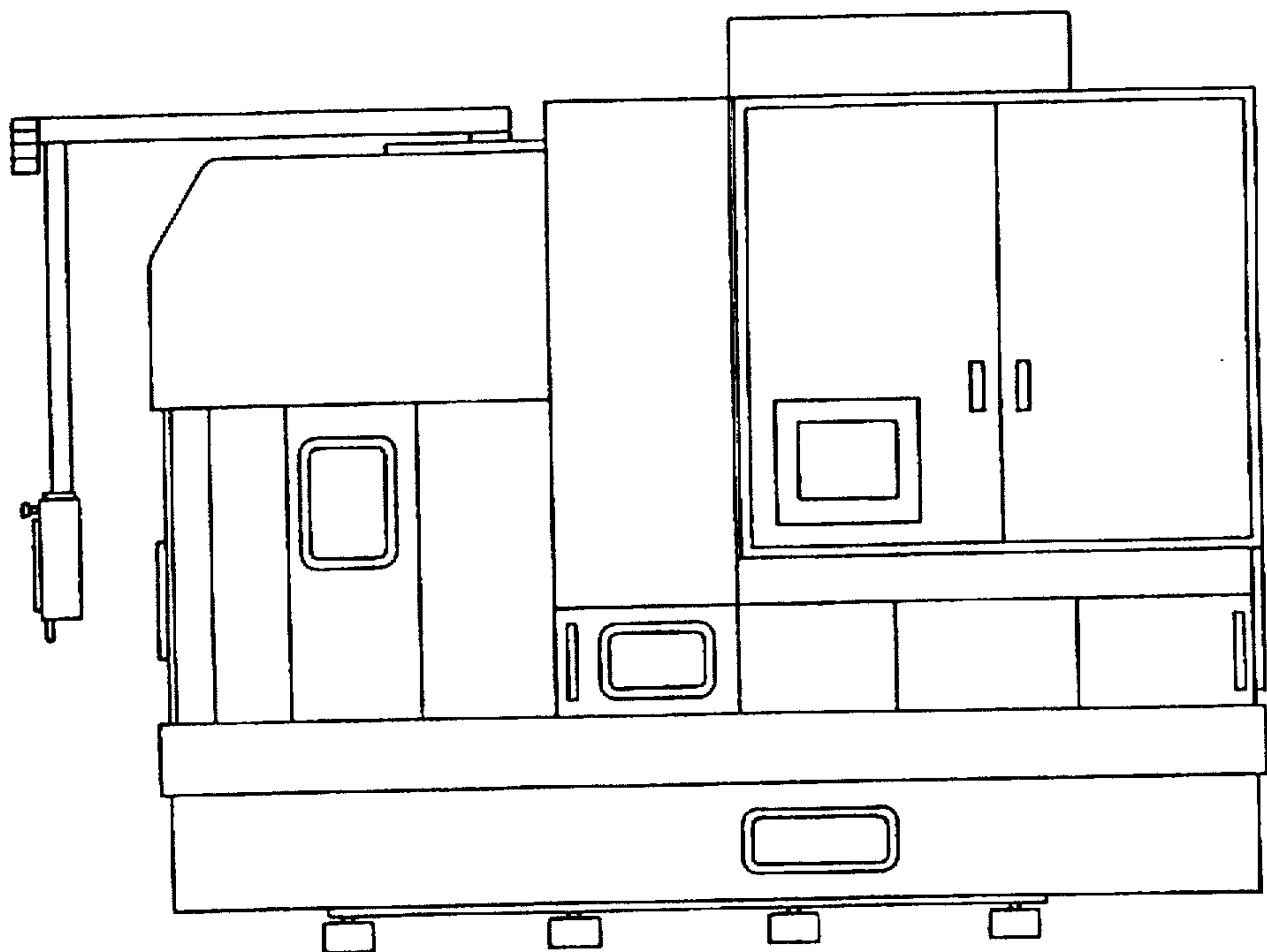


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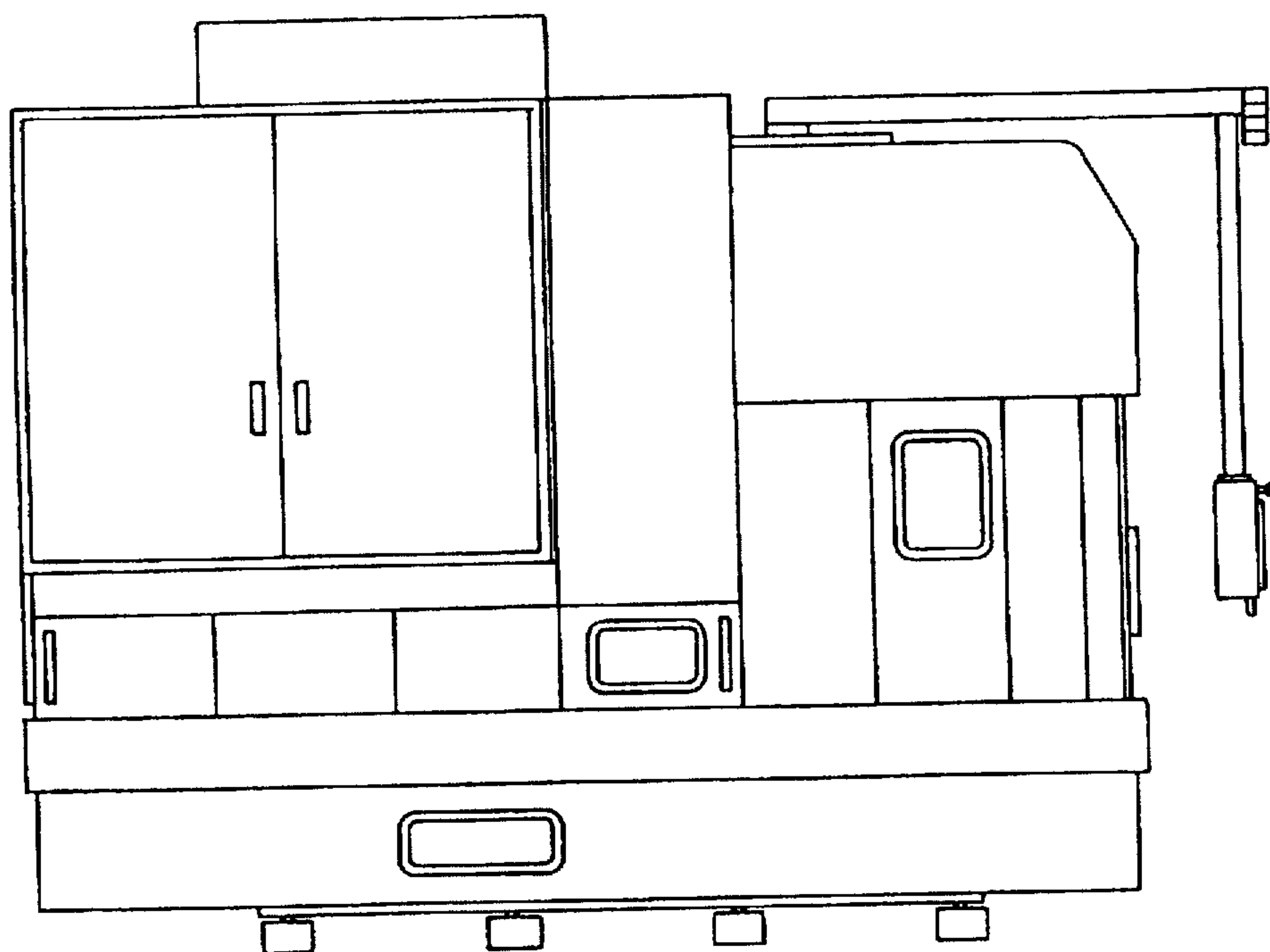


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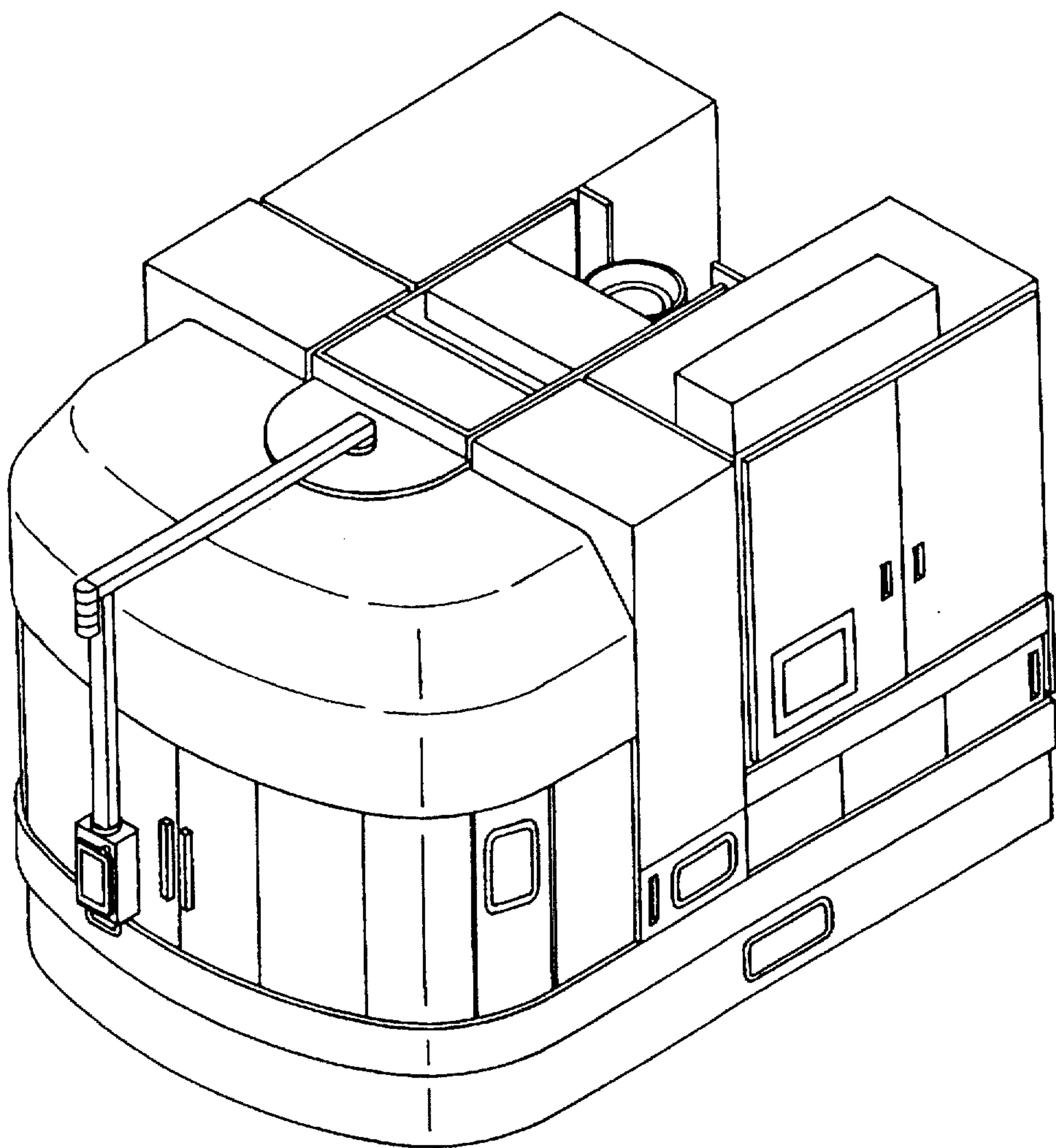


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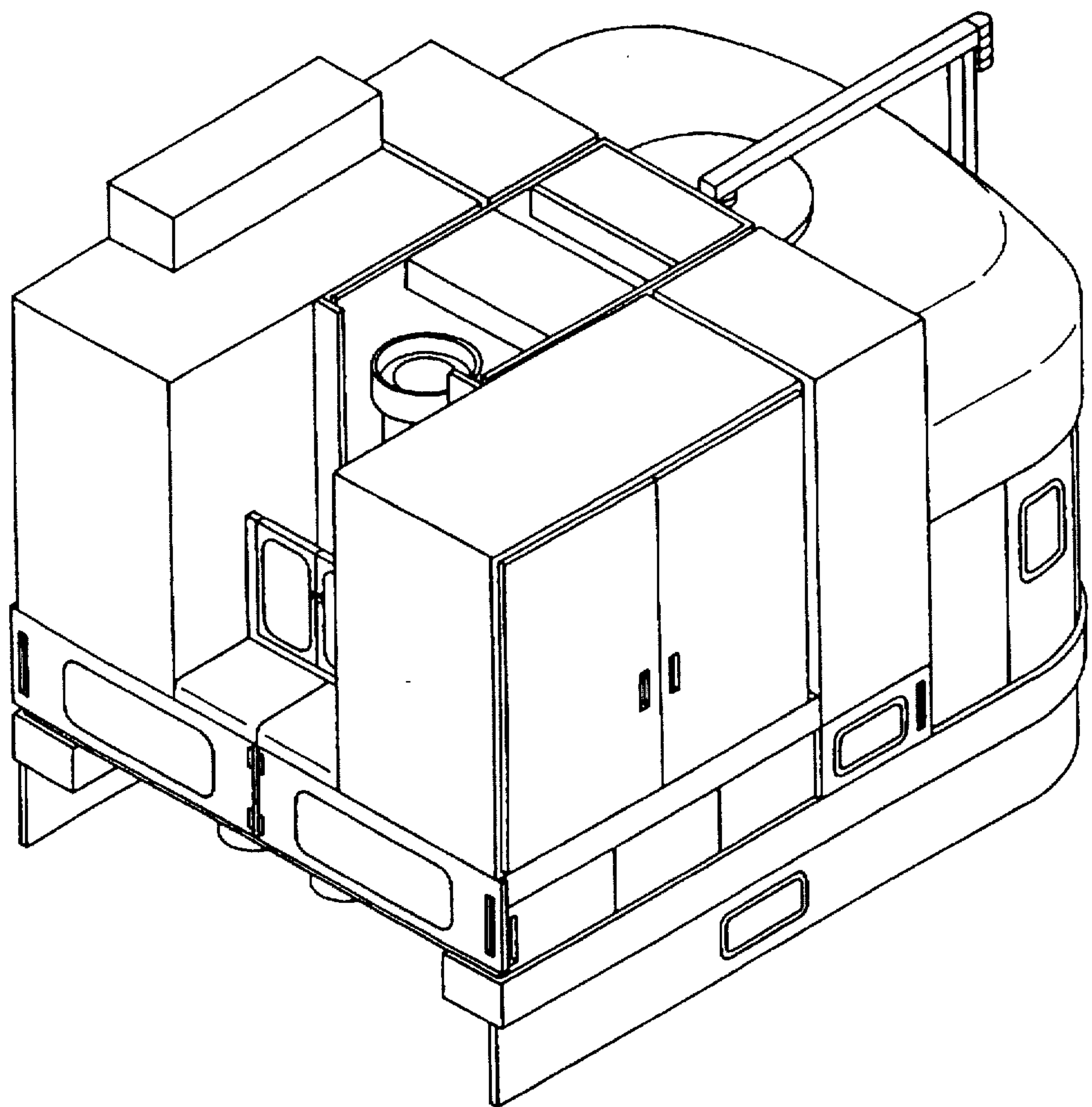


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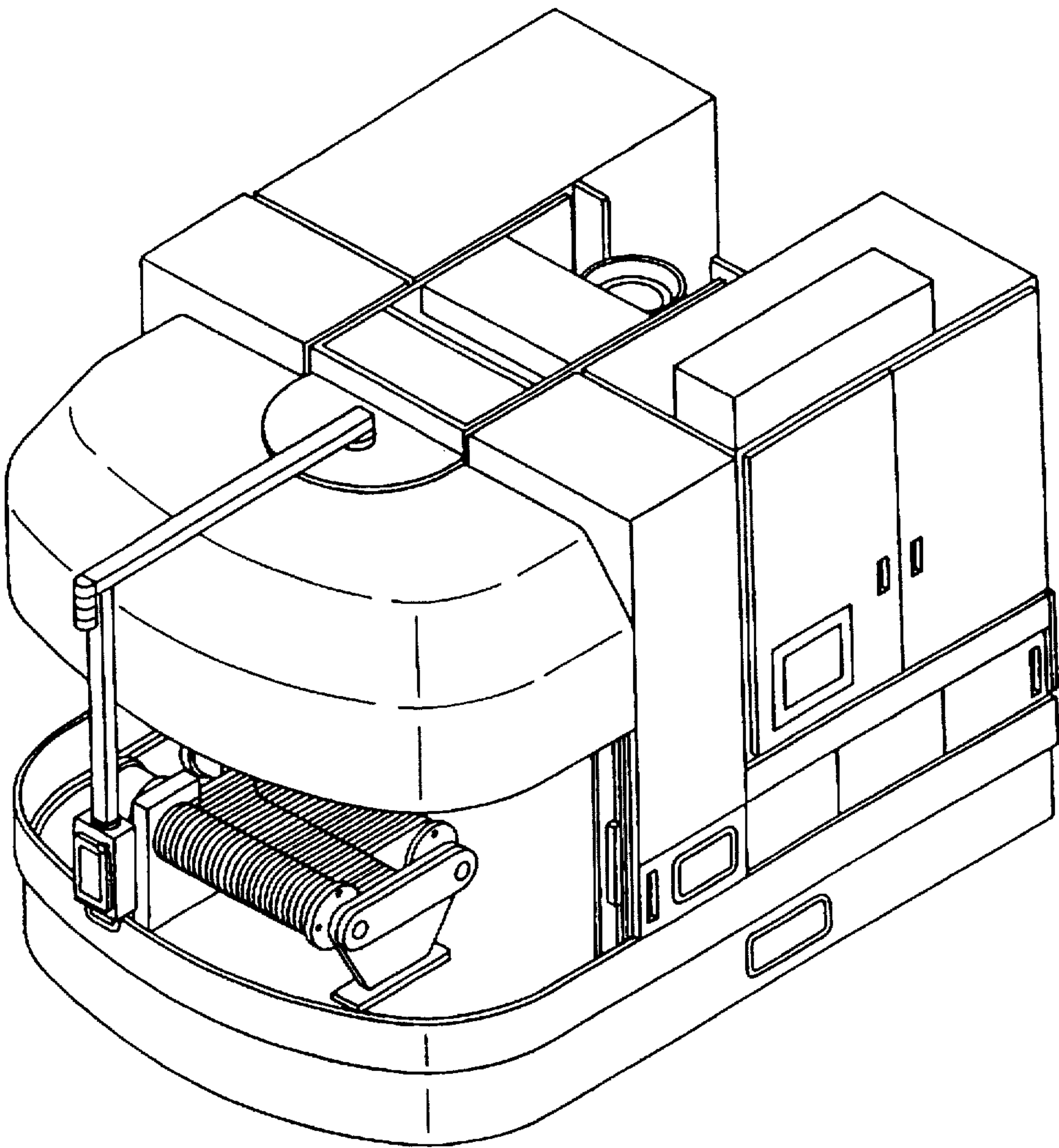


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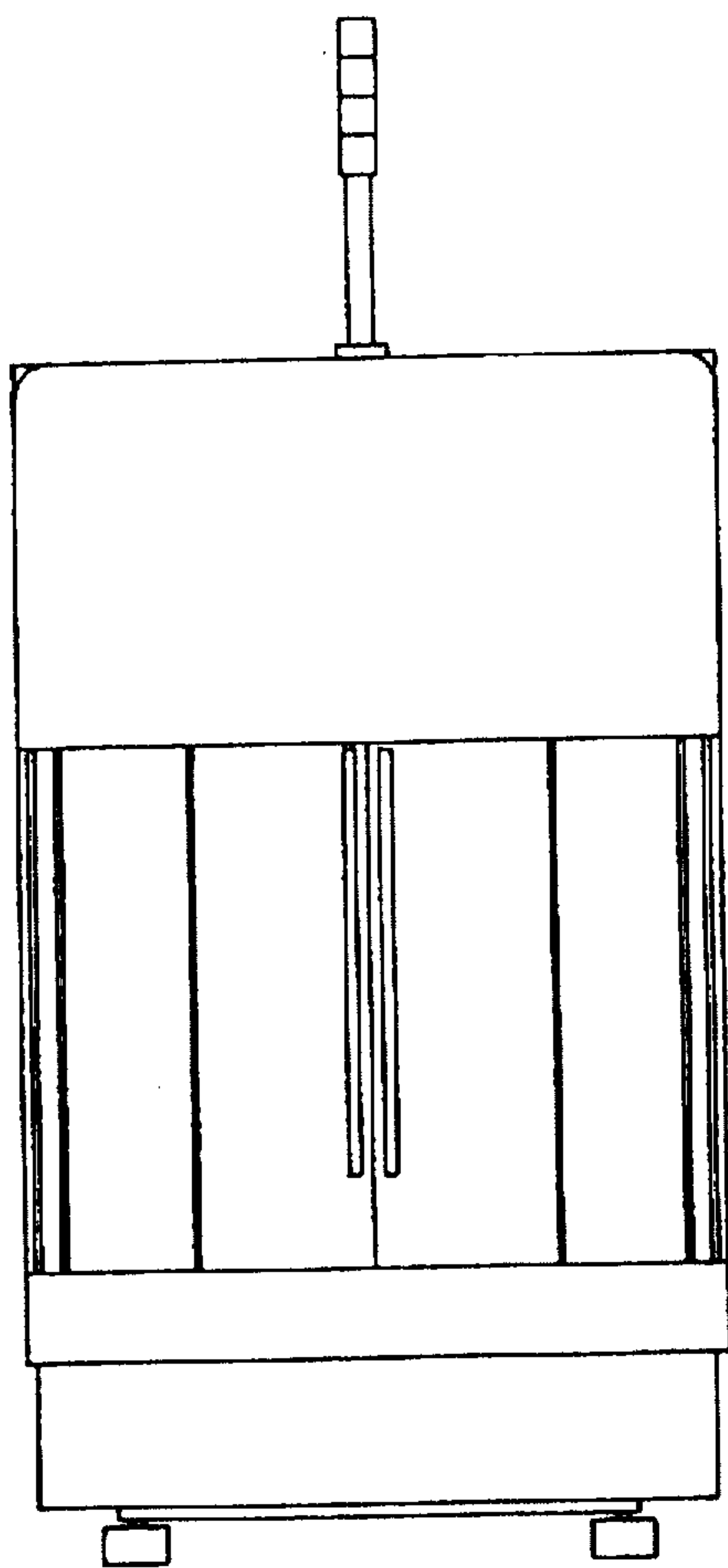


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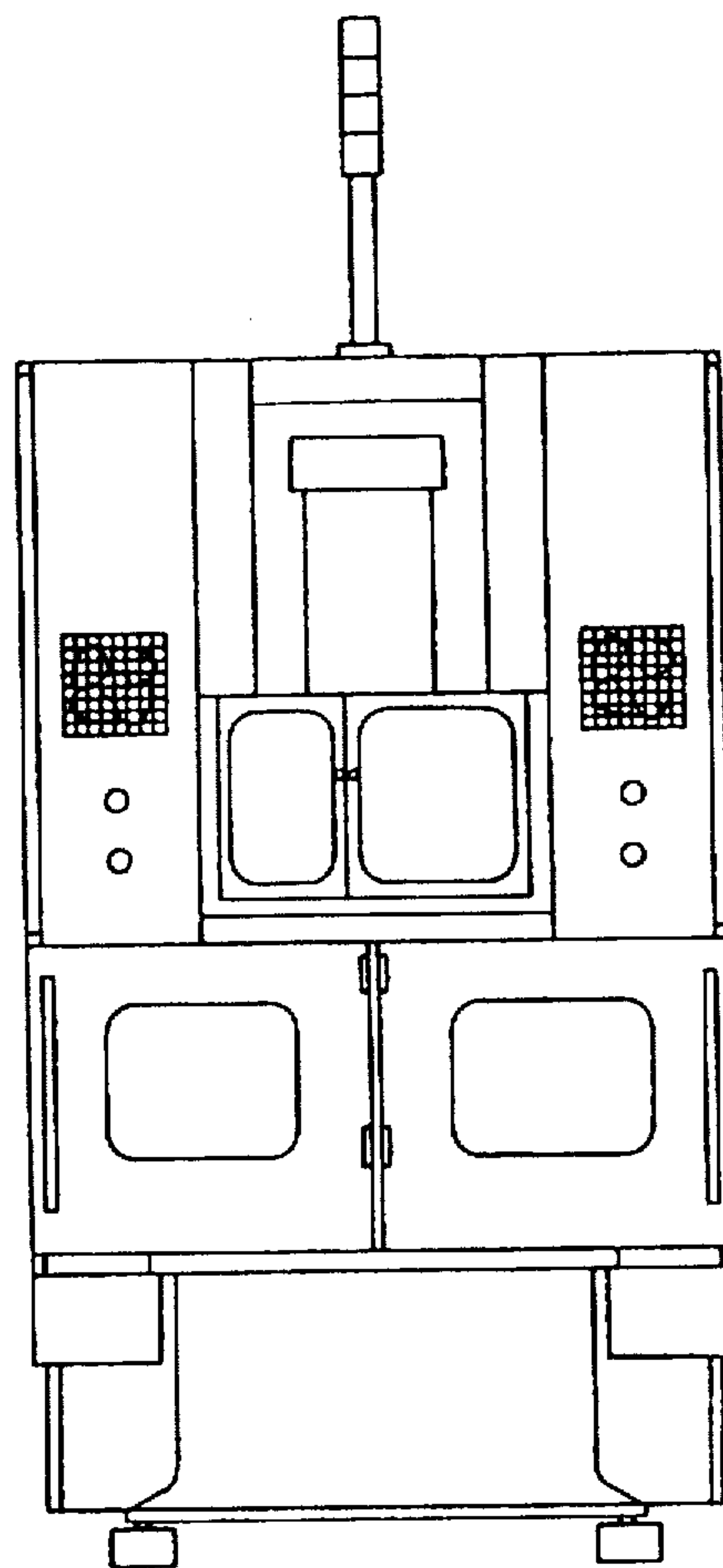


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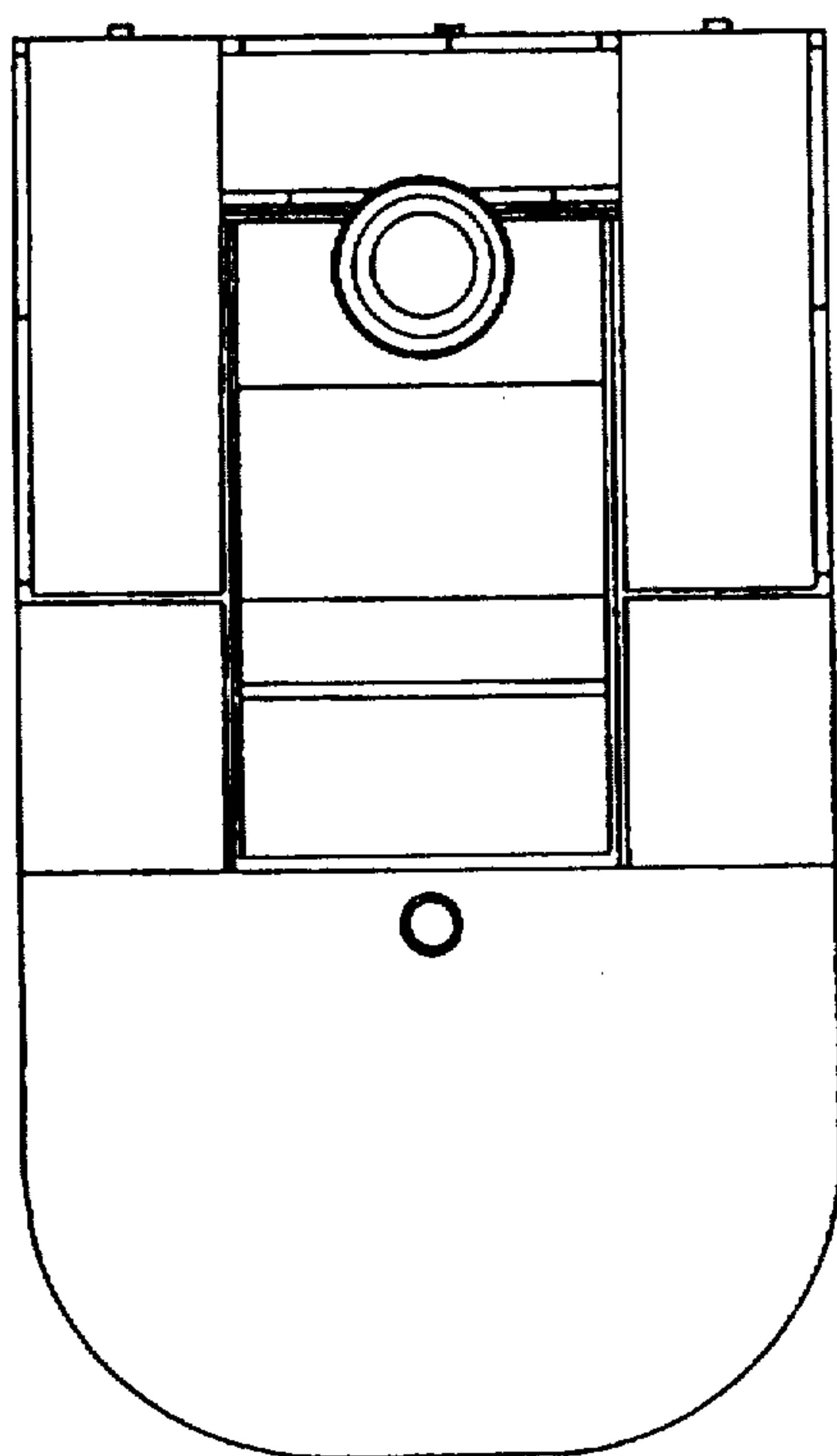


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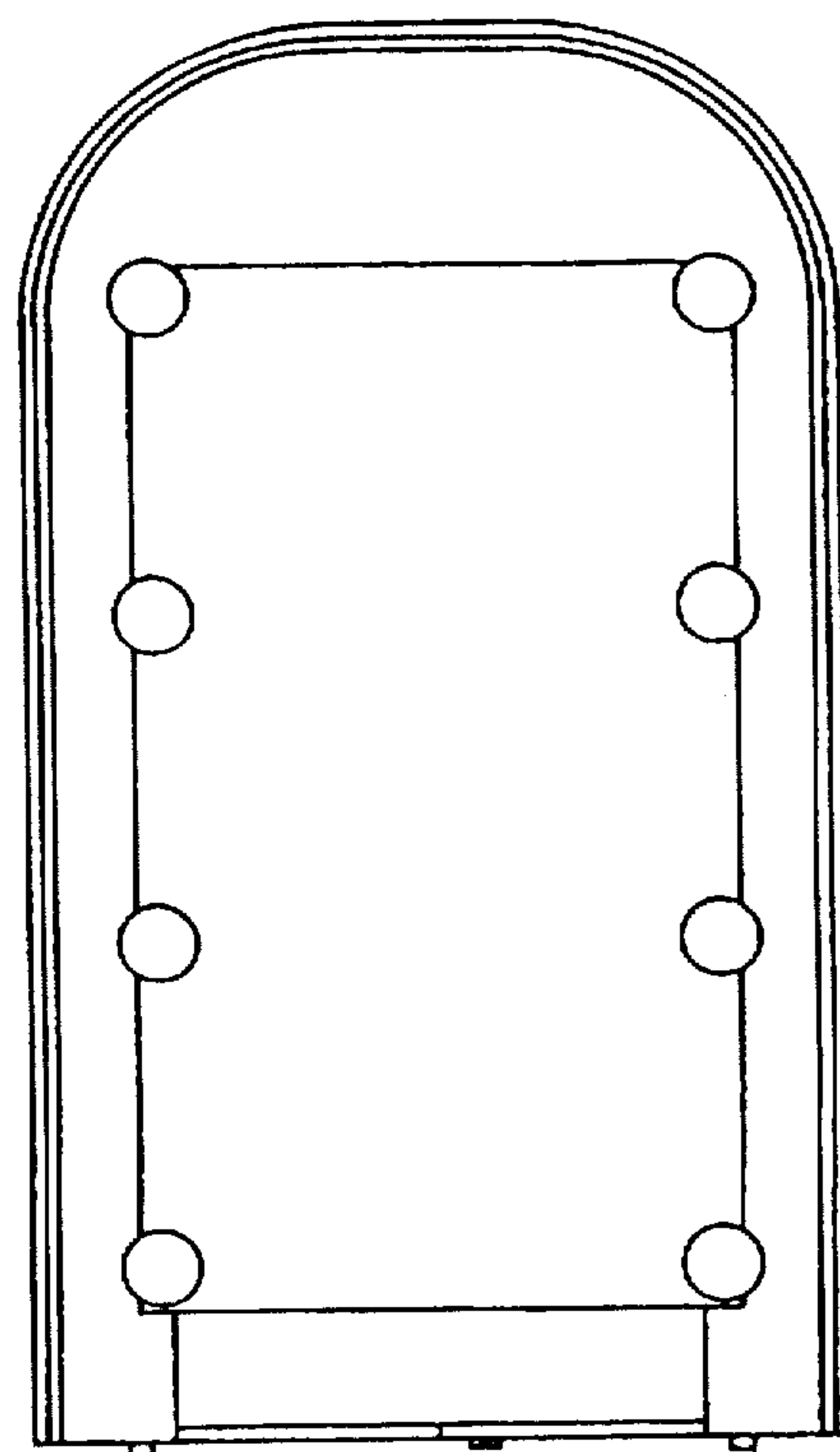


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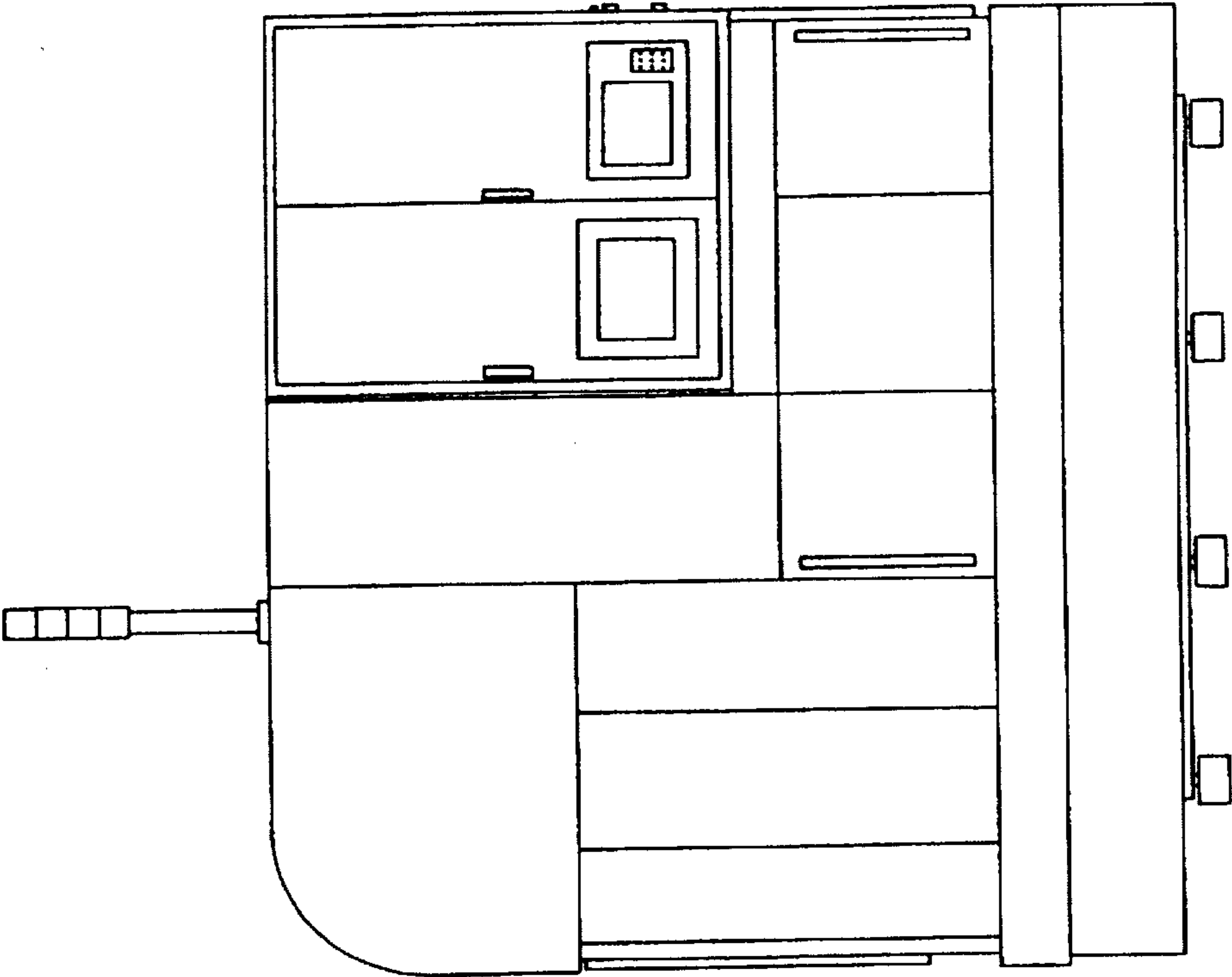


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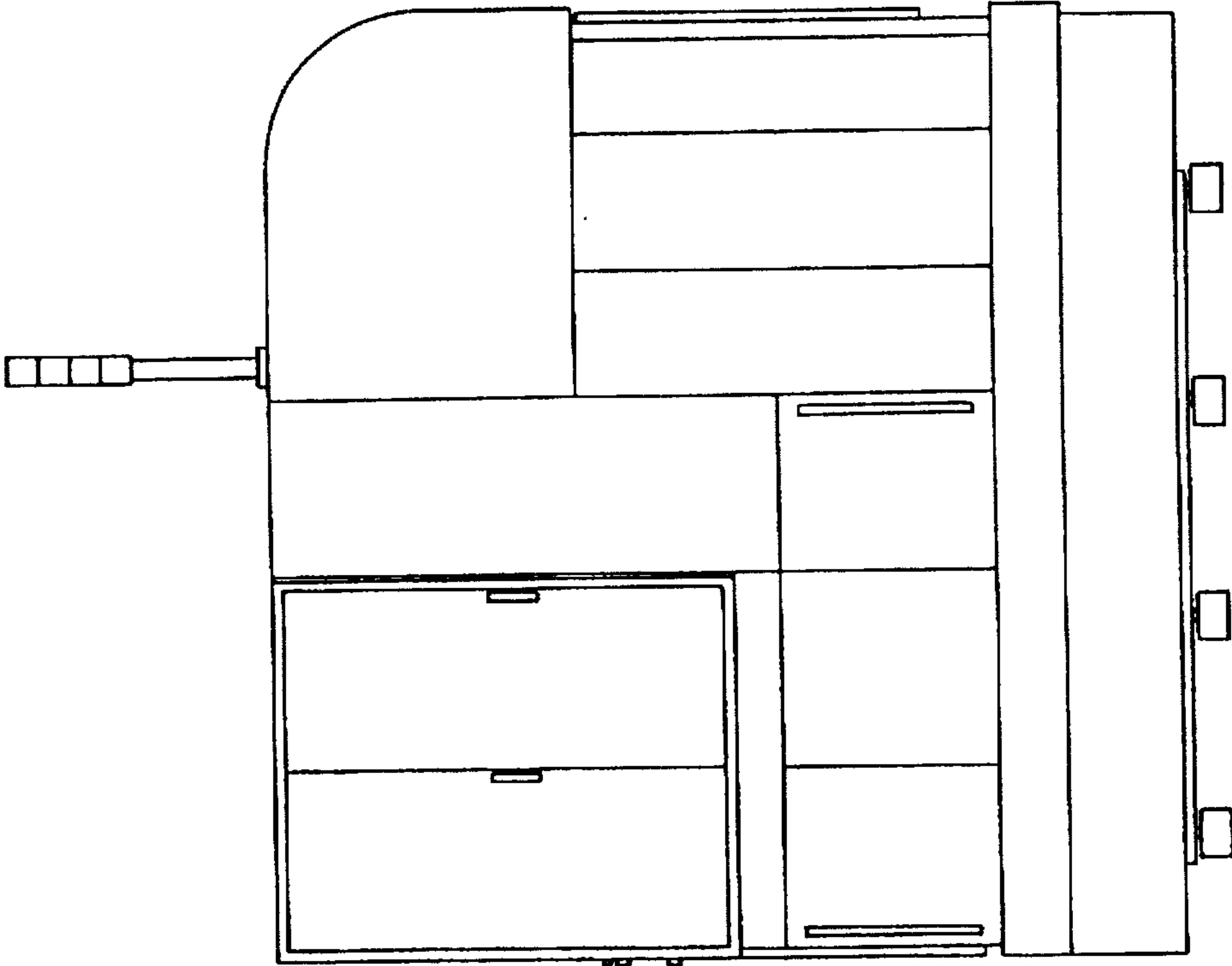


Fig. 60

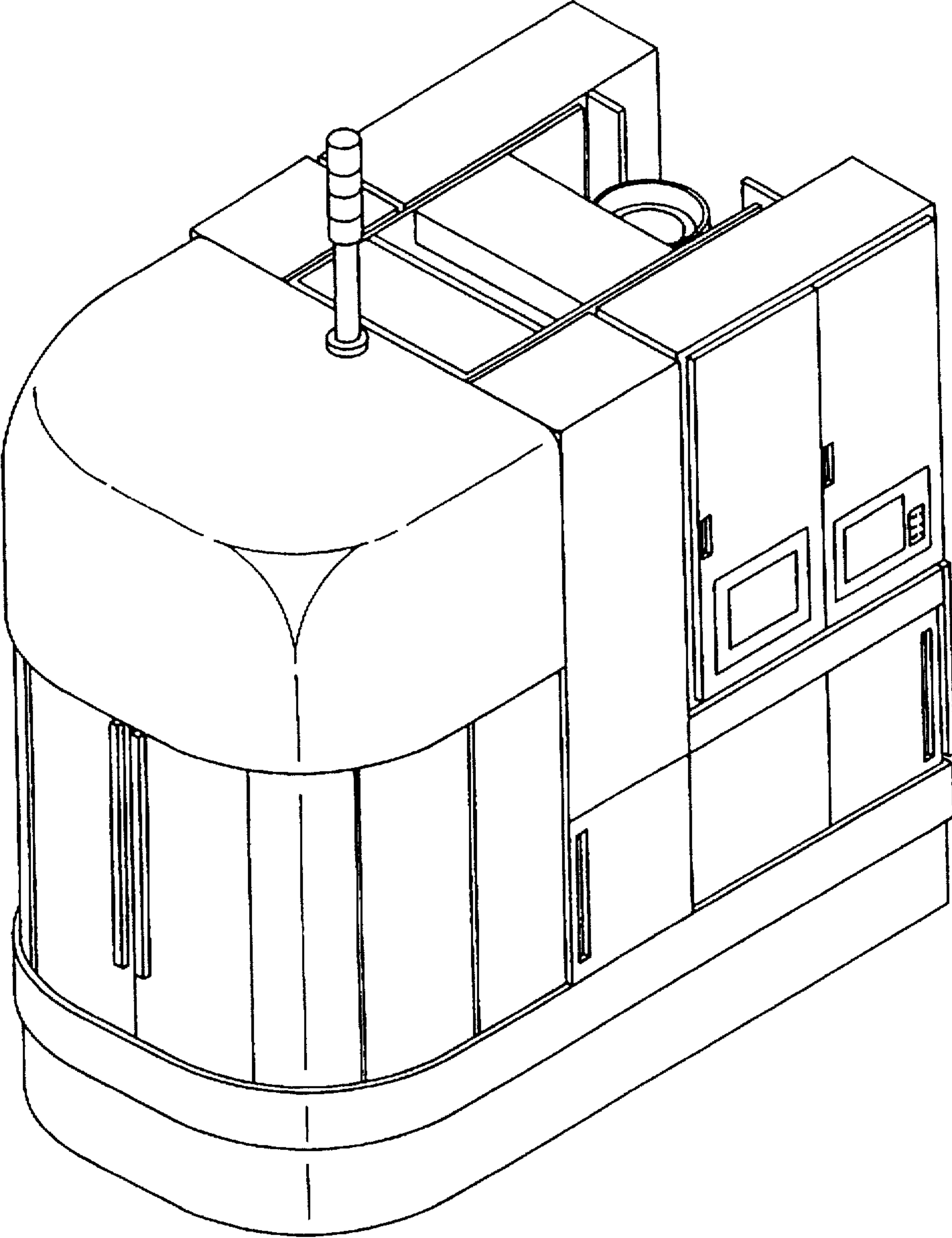


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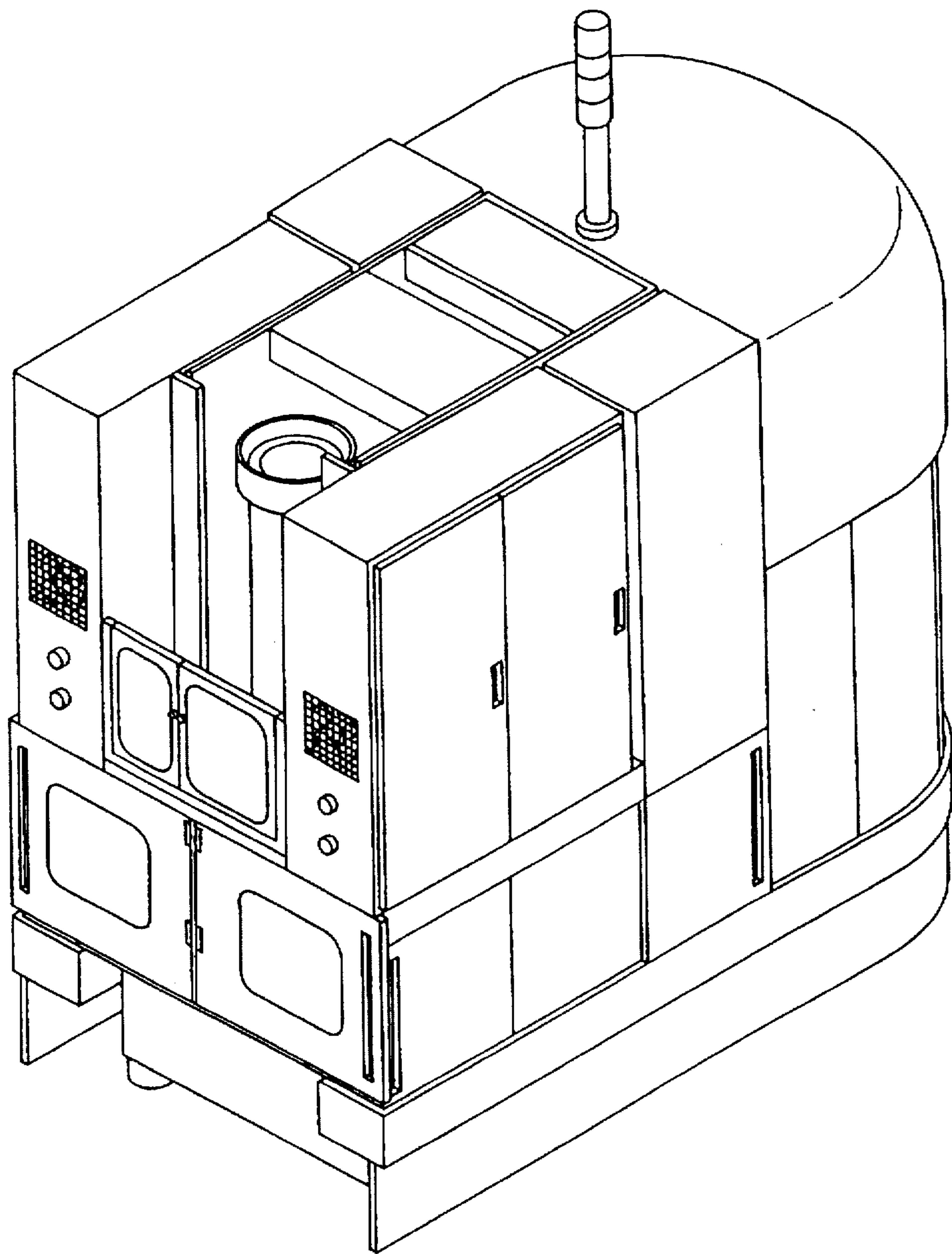


Fig. 62

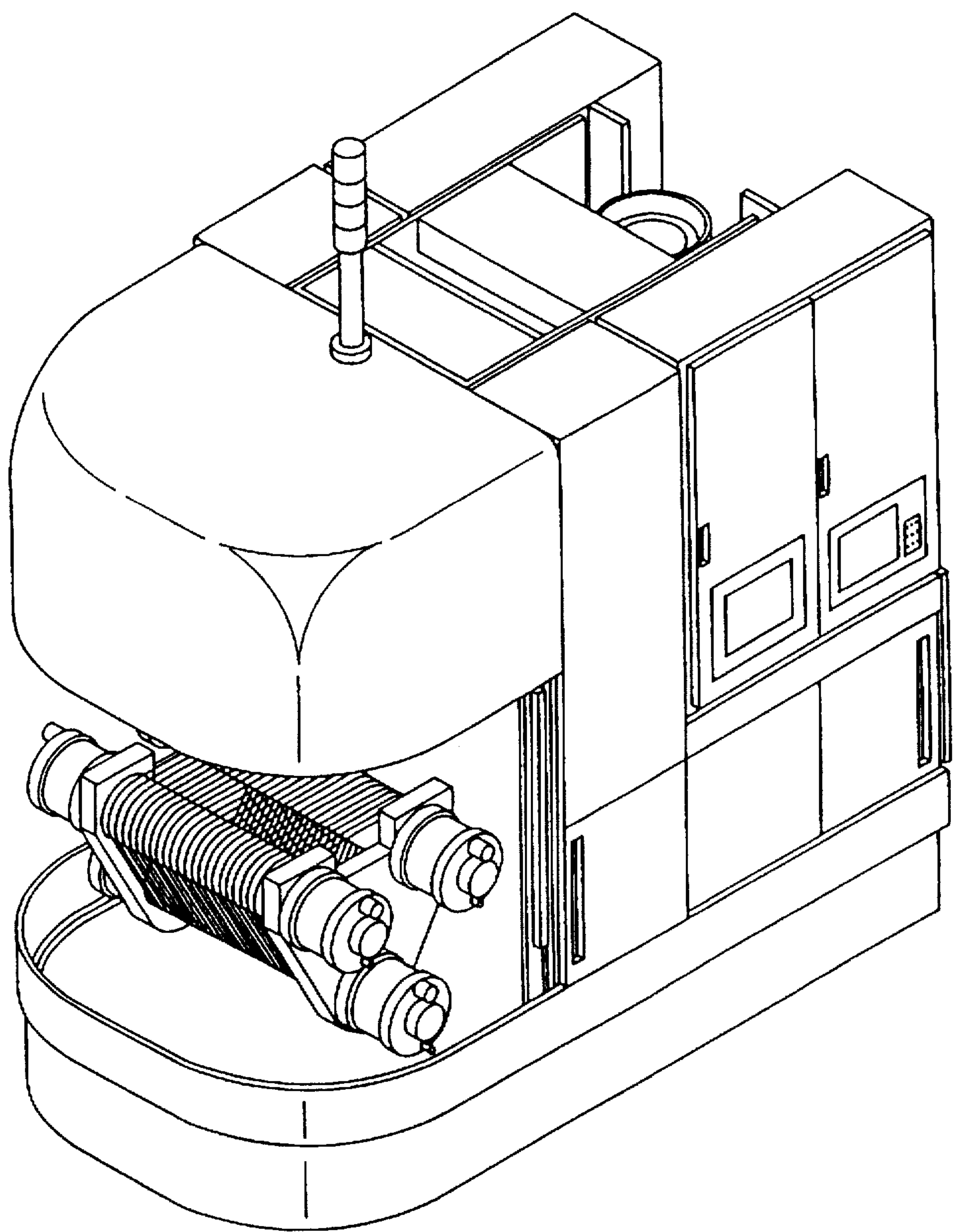


Fig. 63

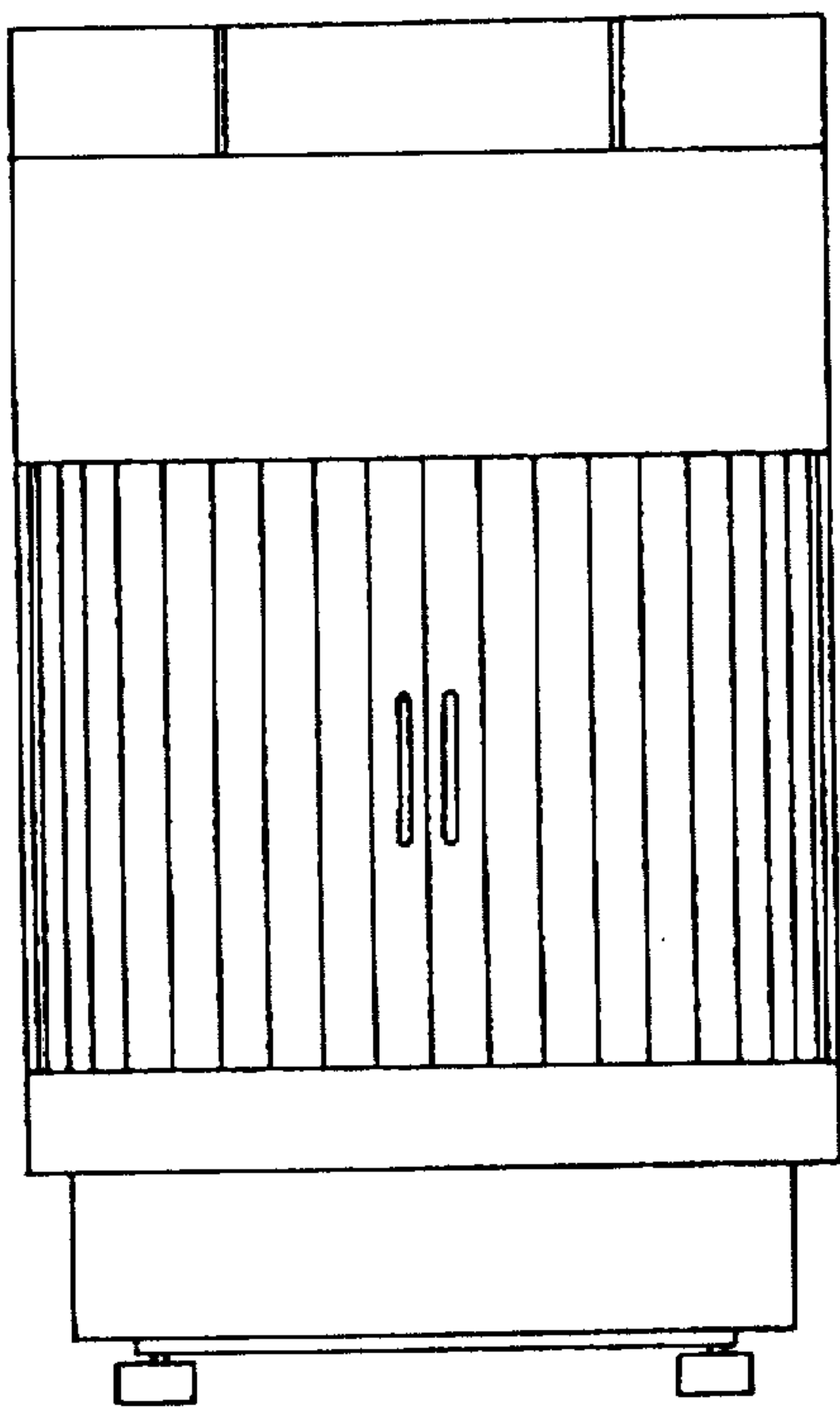


Fig. 64

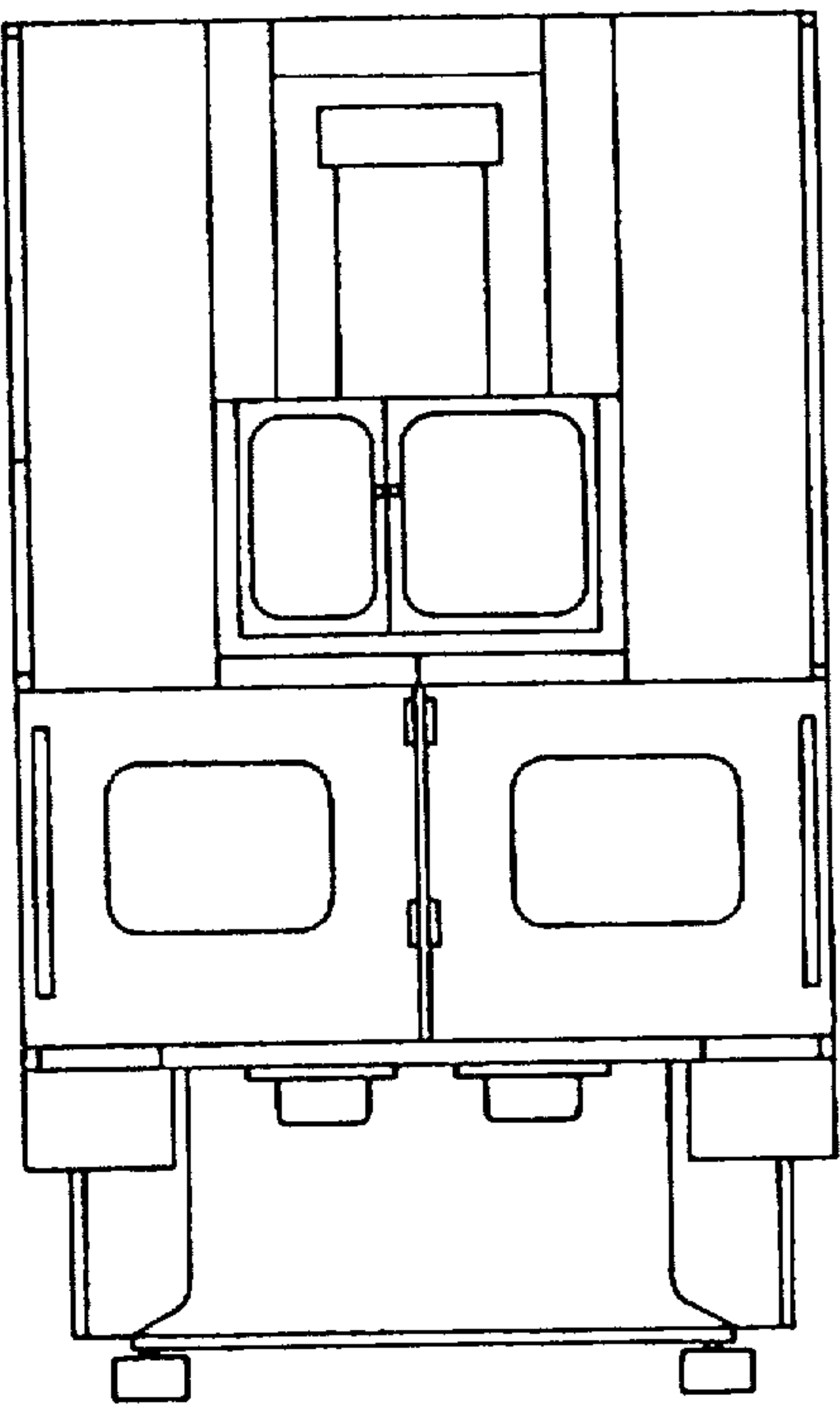


Fig. 65

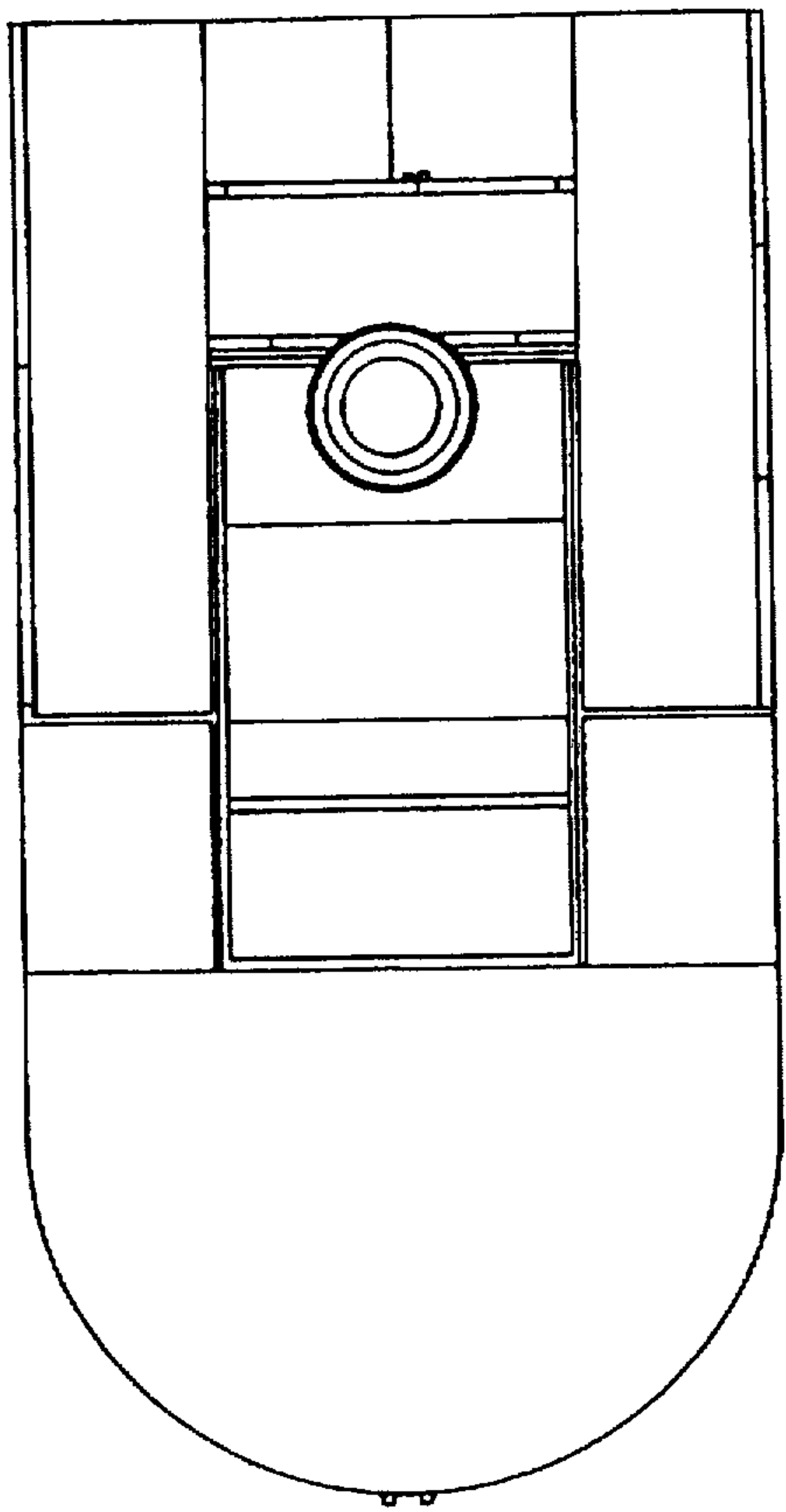


Fig. 66

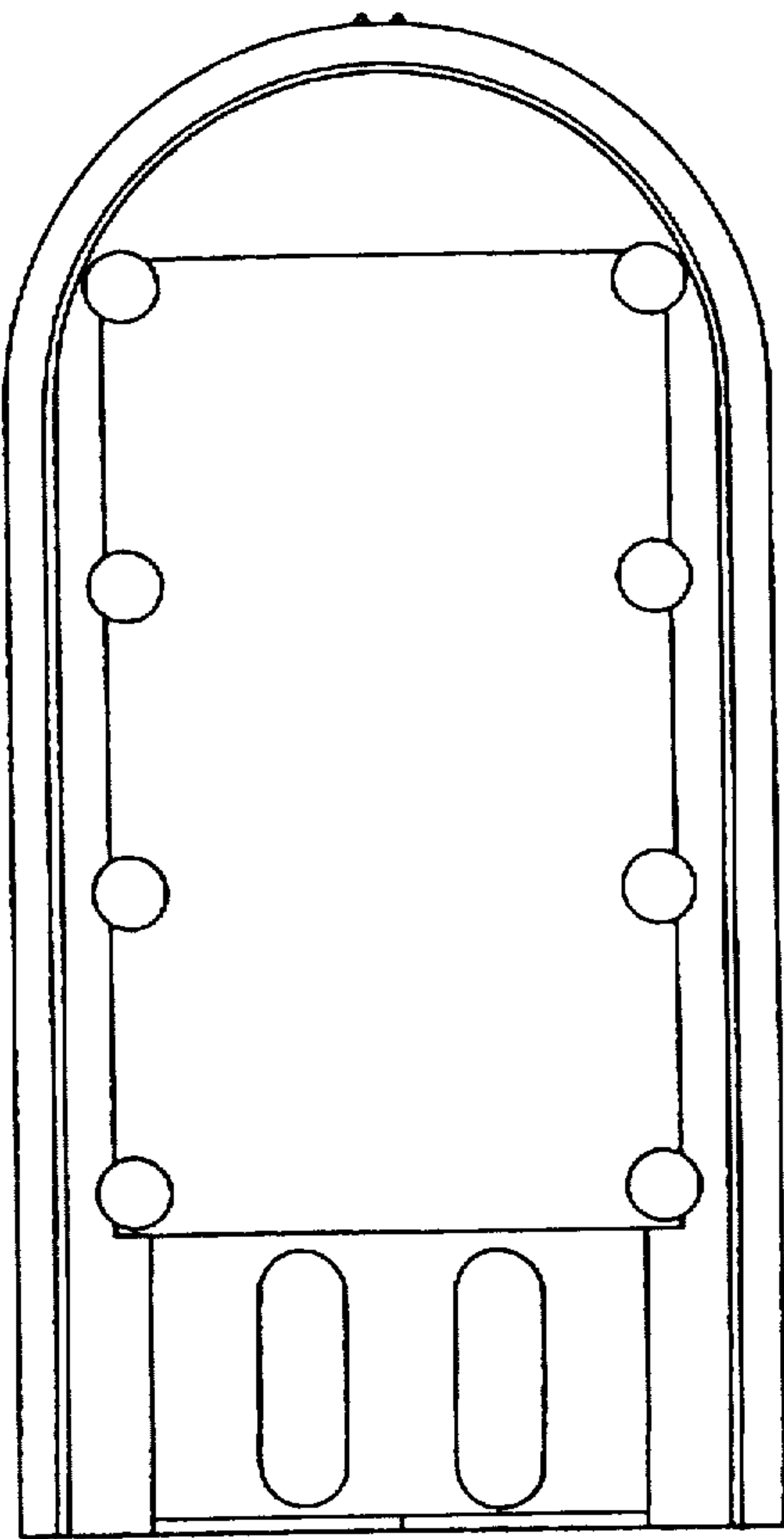


Fig. 67

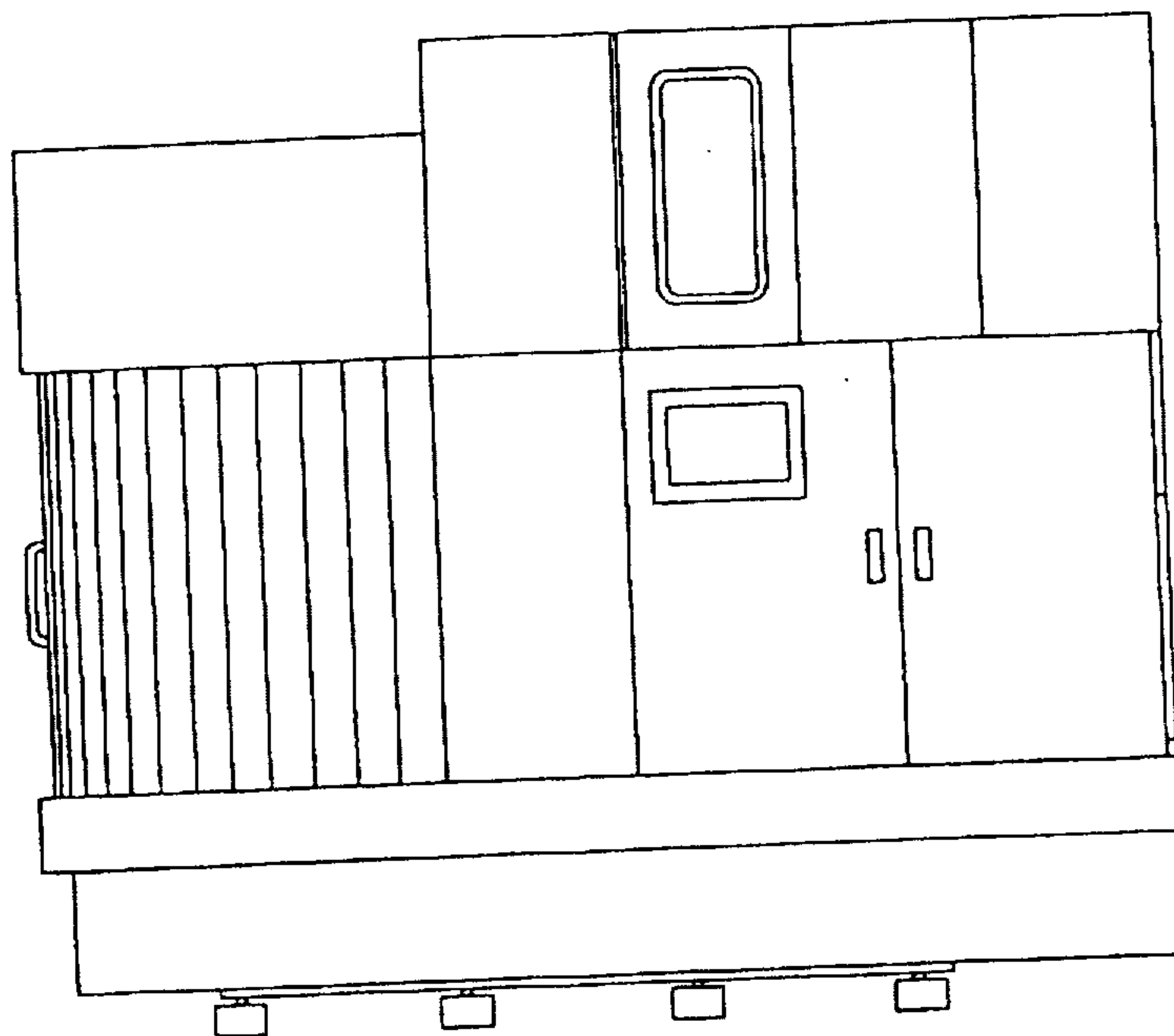


Fig. 68

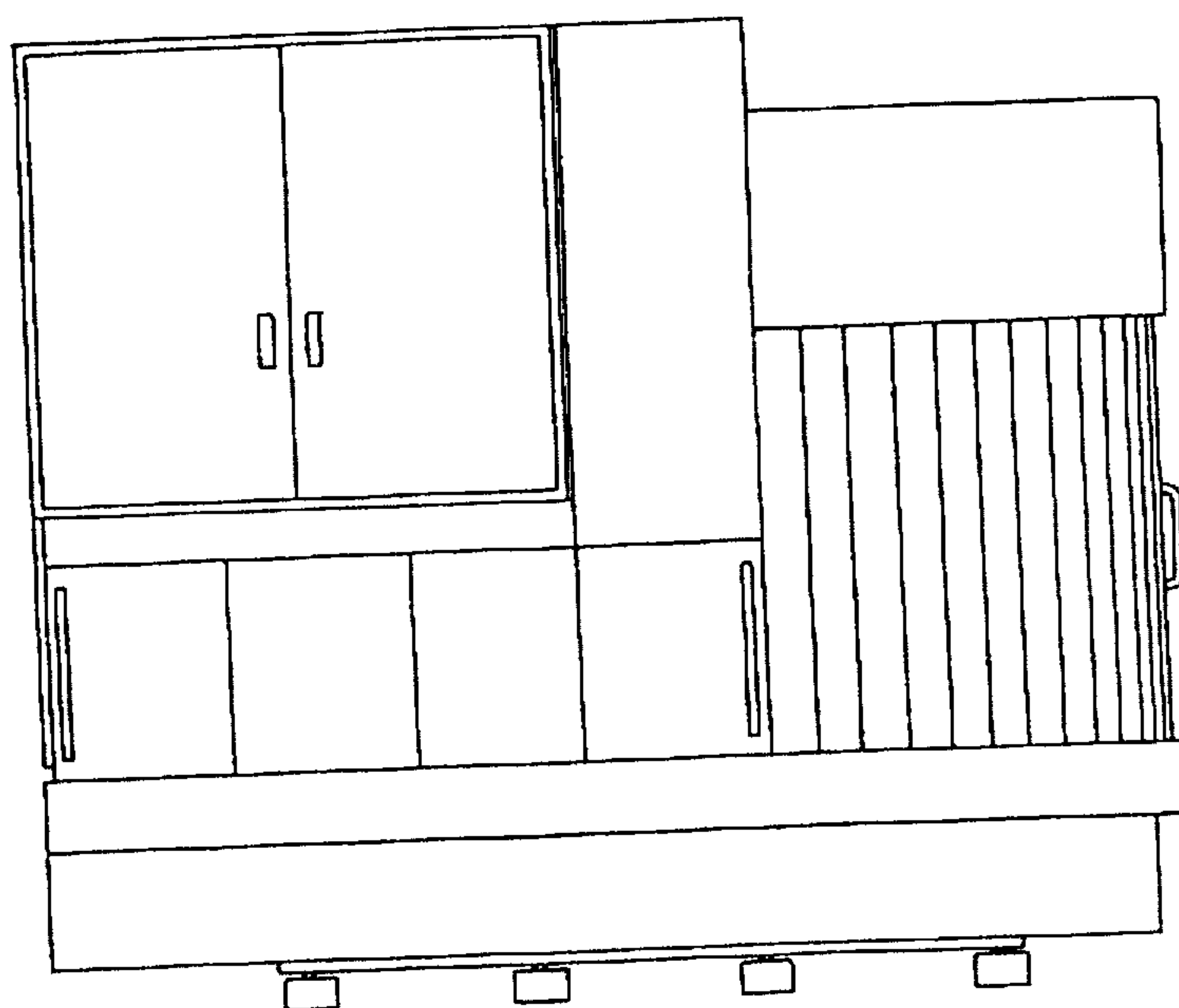


Fig. 69

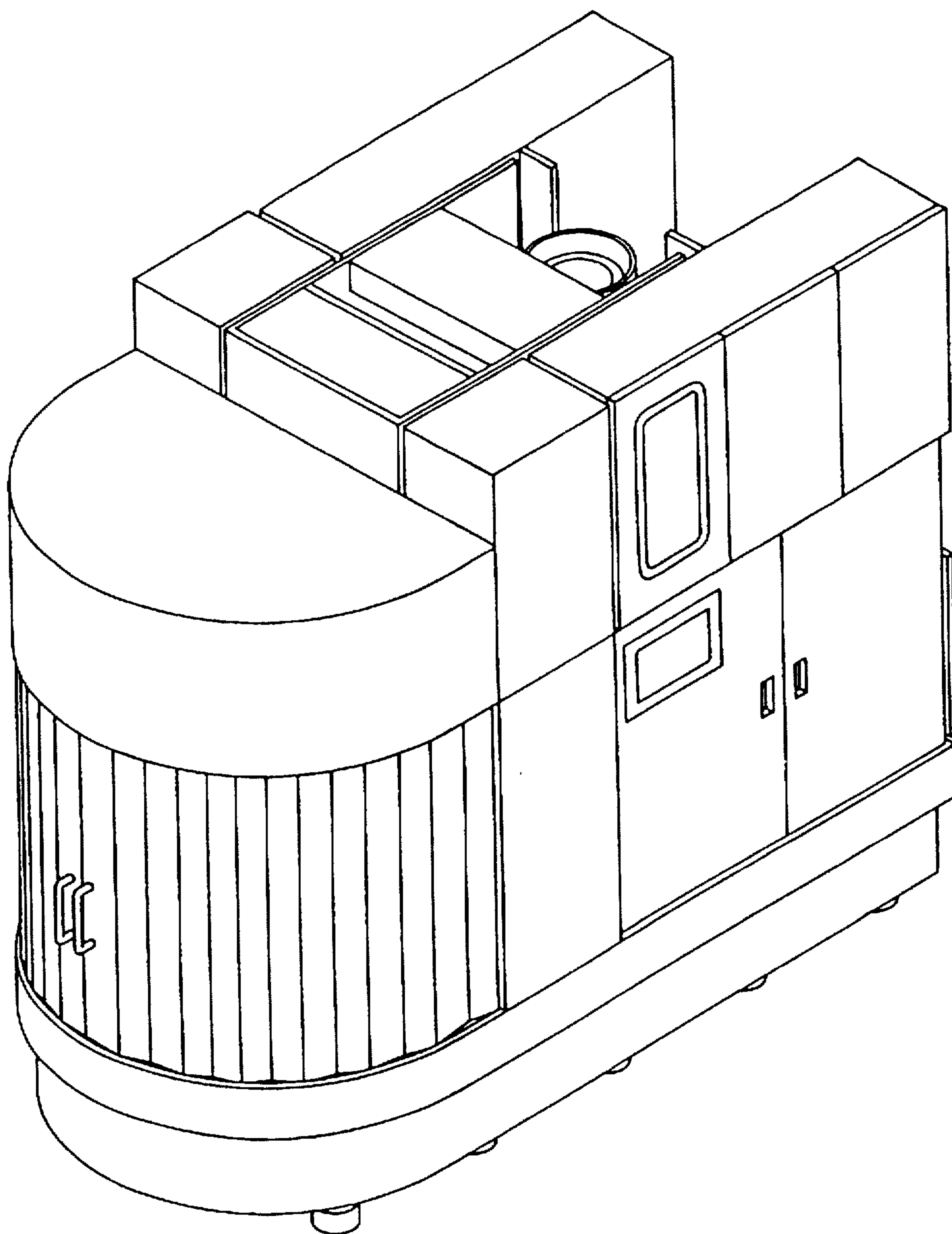


Fig. 70

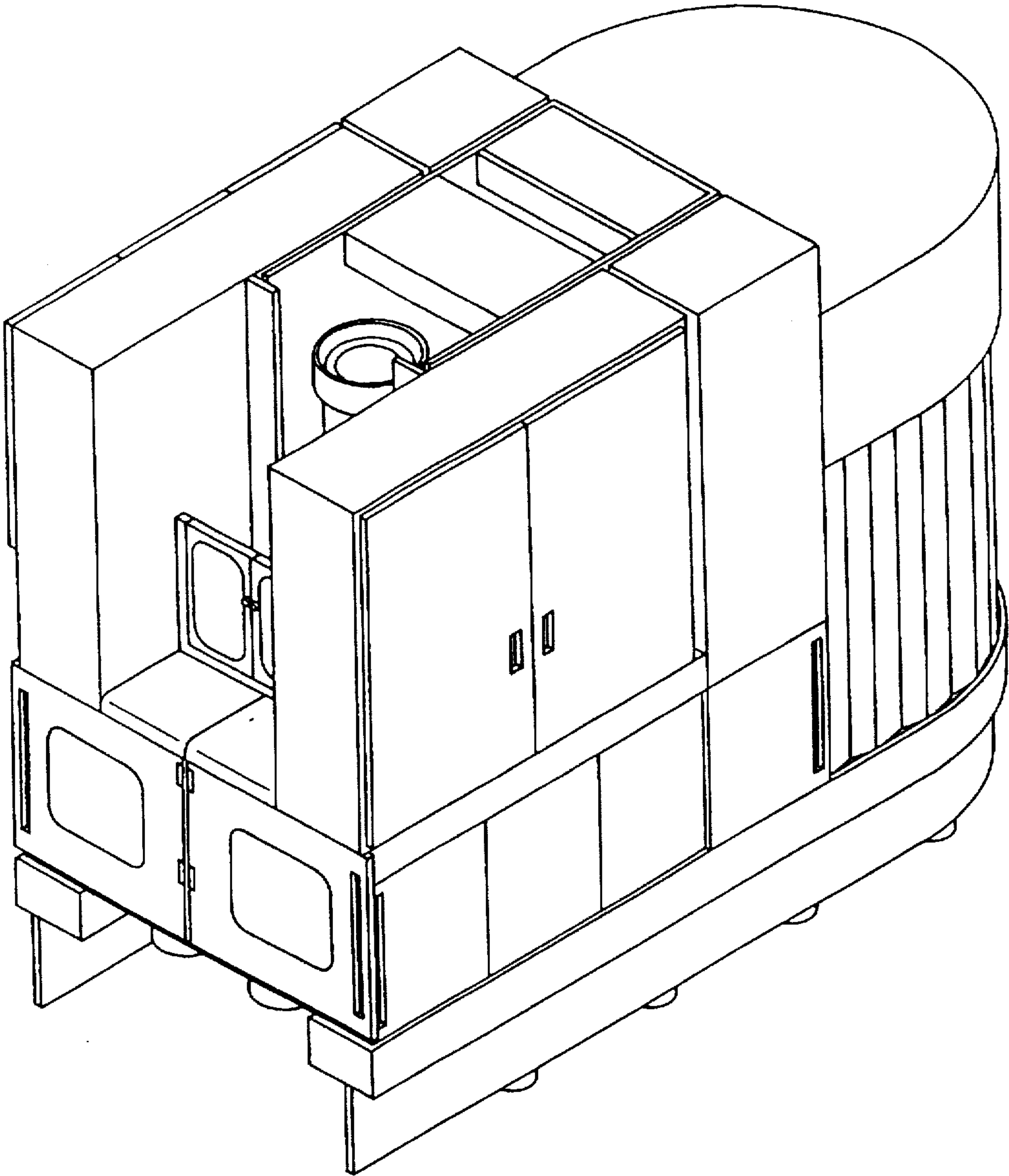


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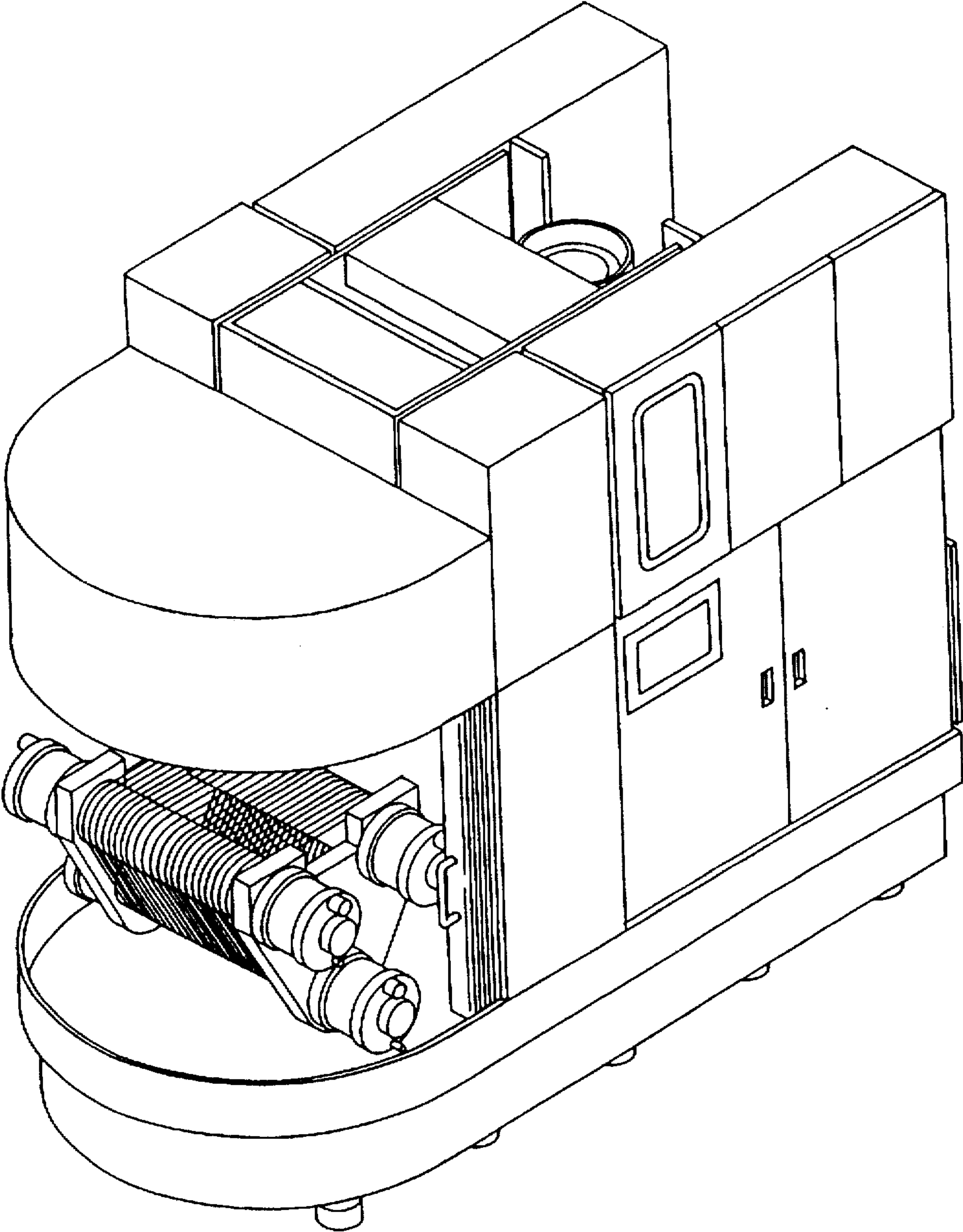


Fig. 72

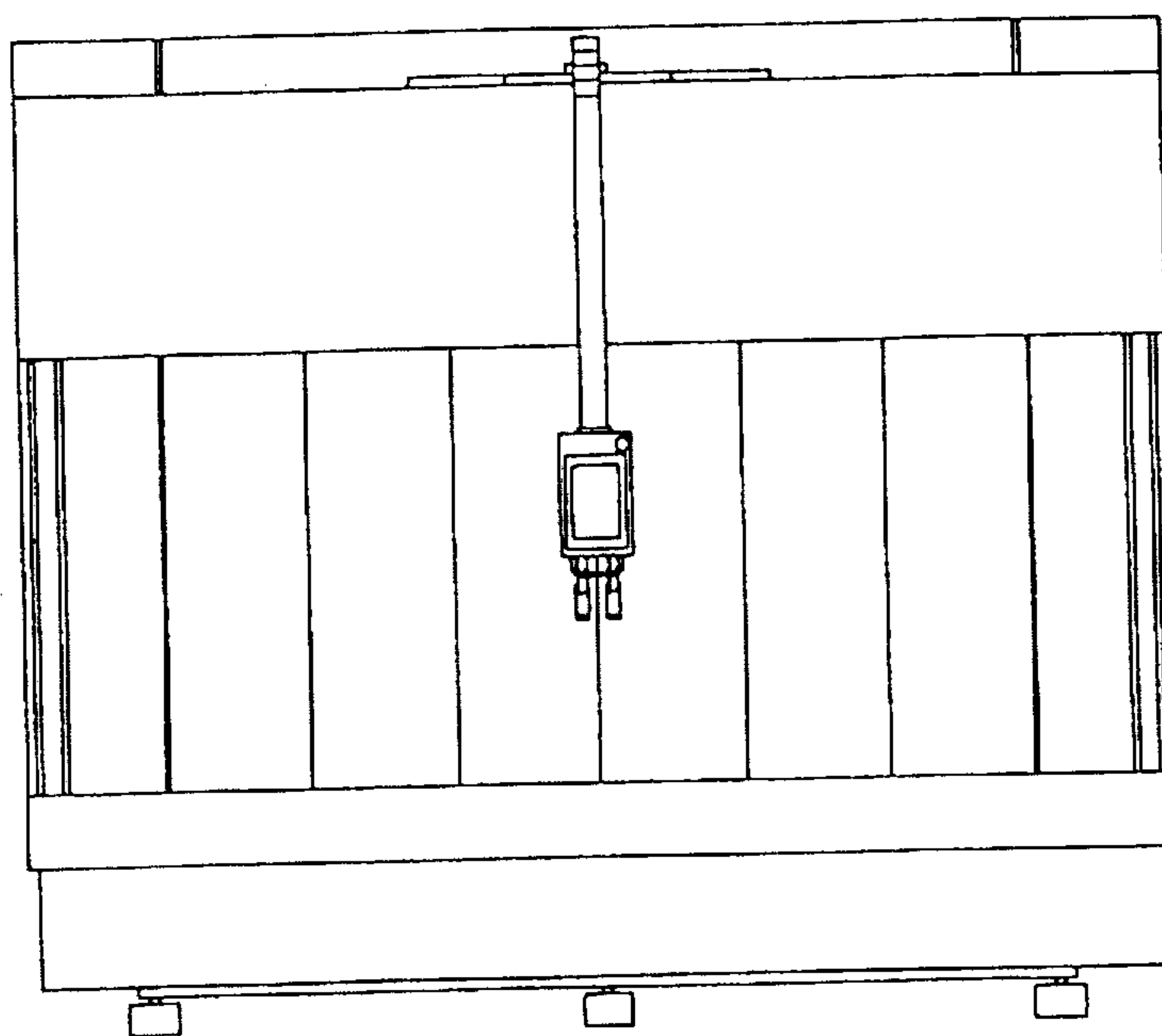


Fig. 73

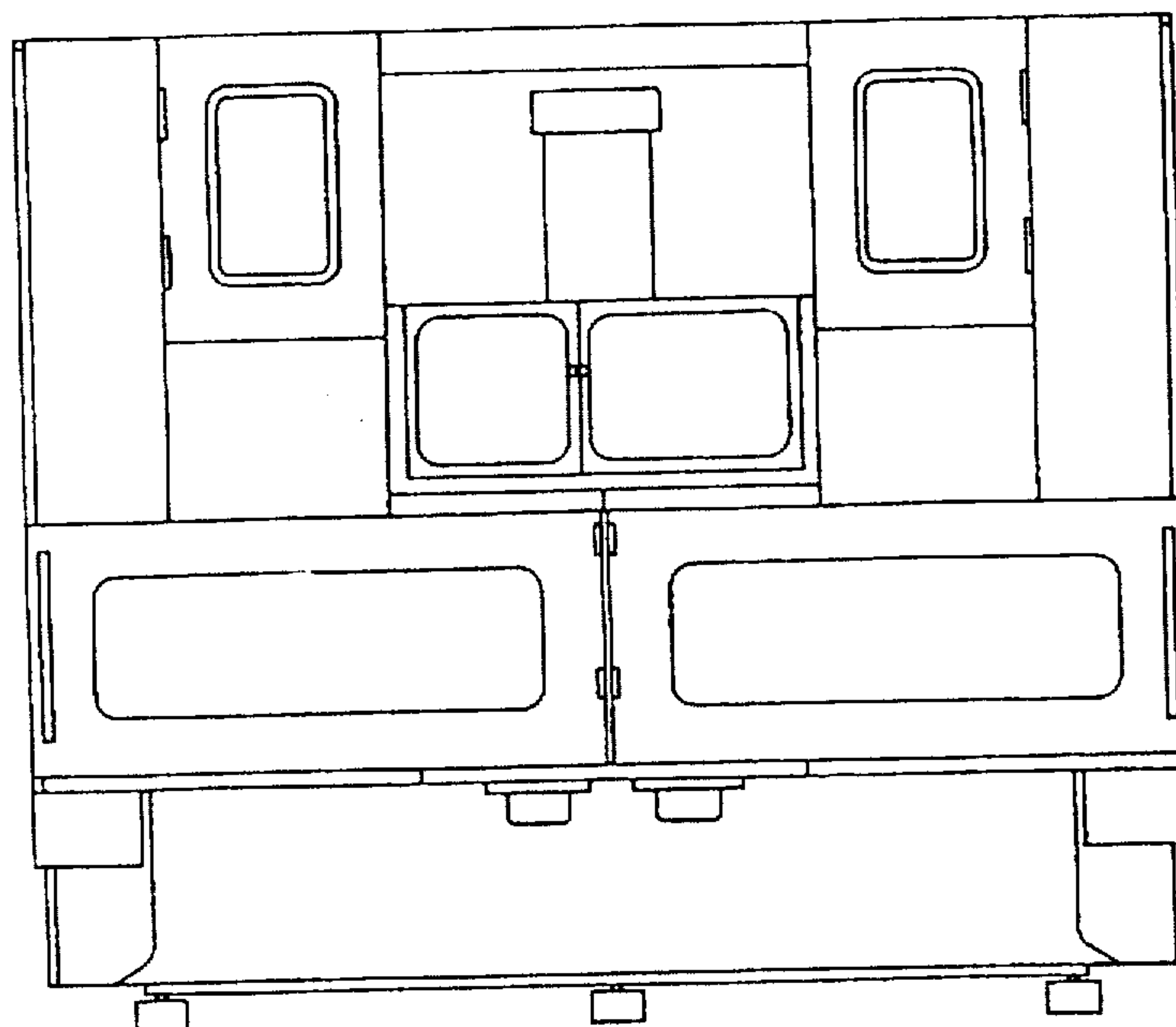


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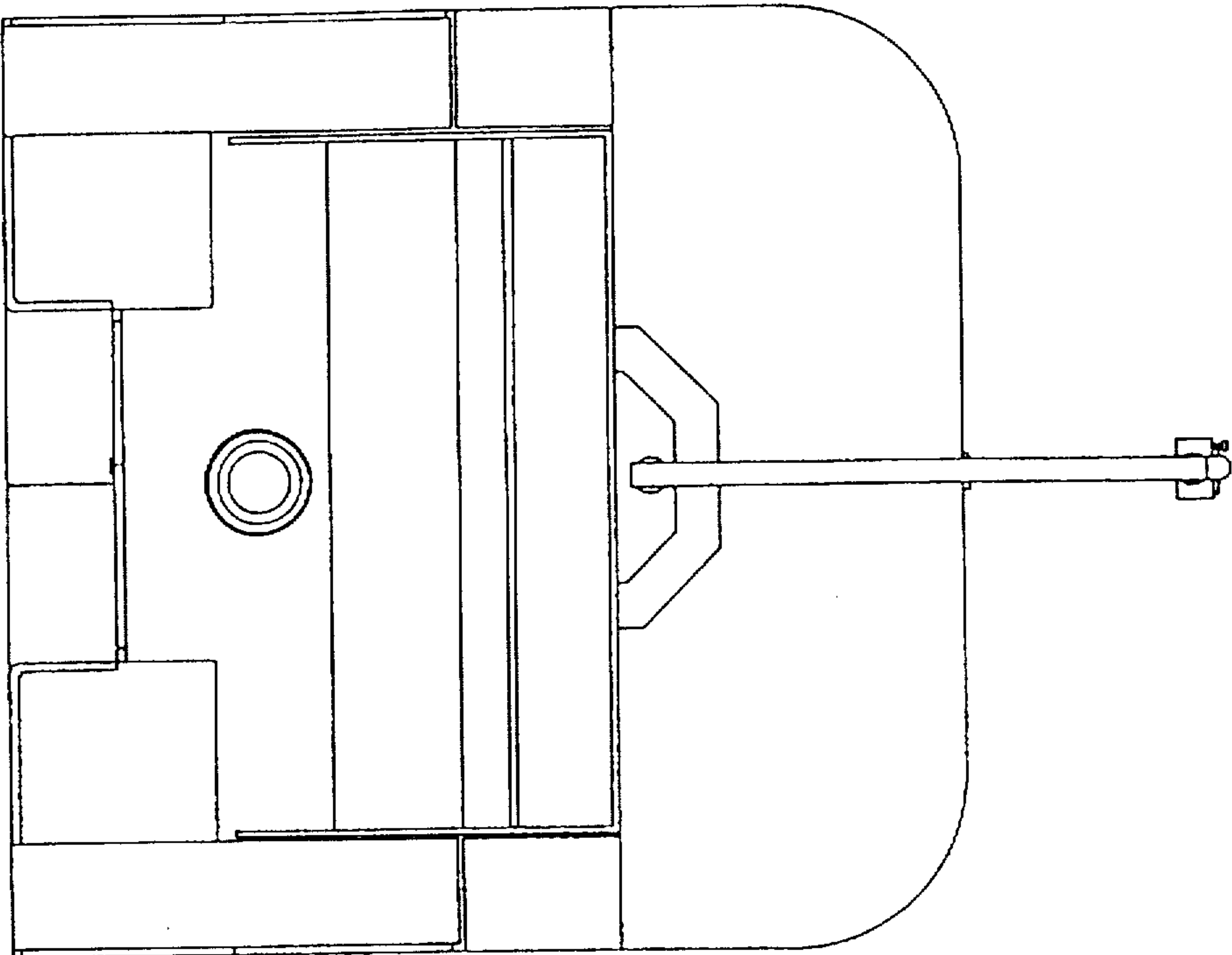


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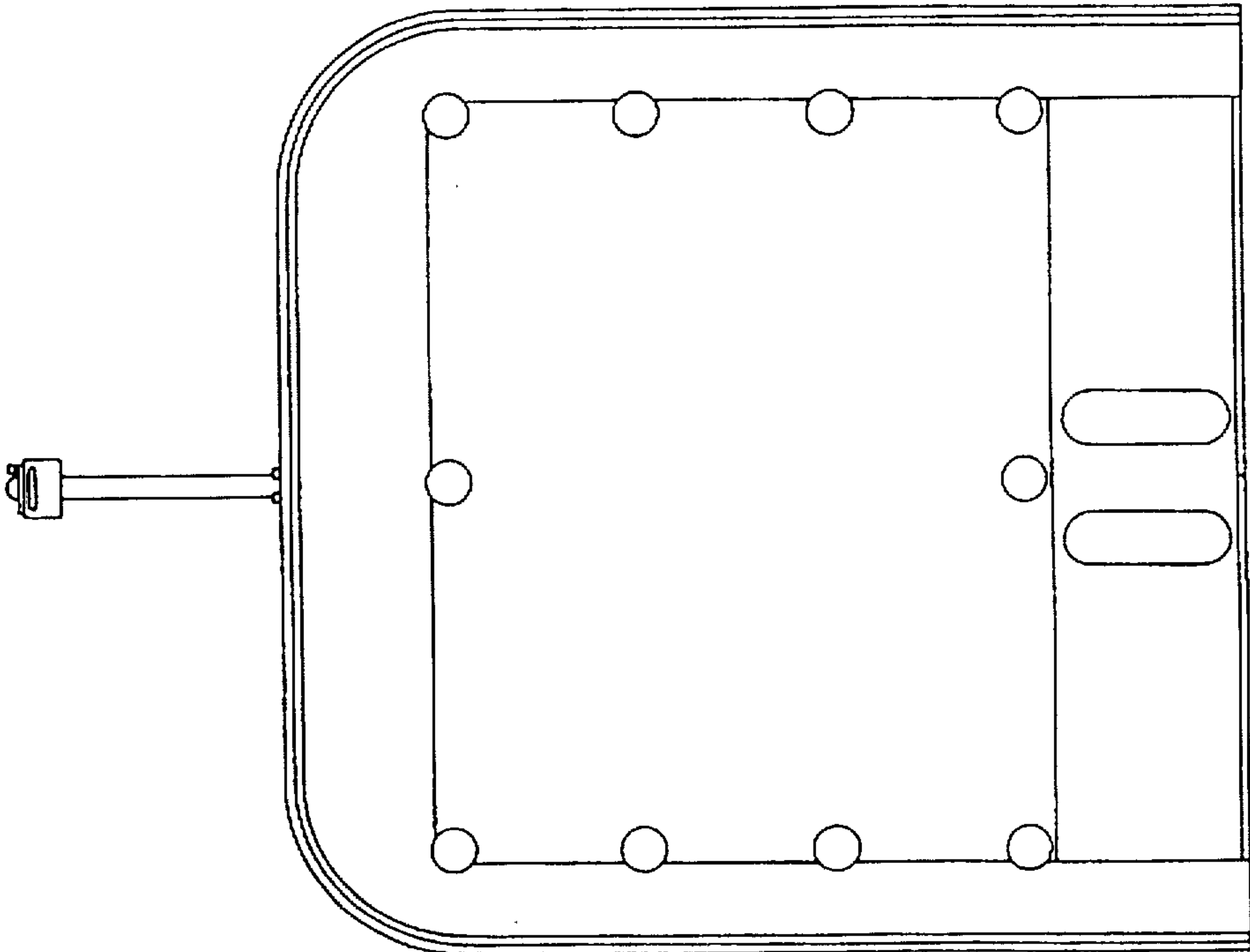


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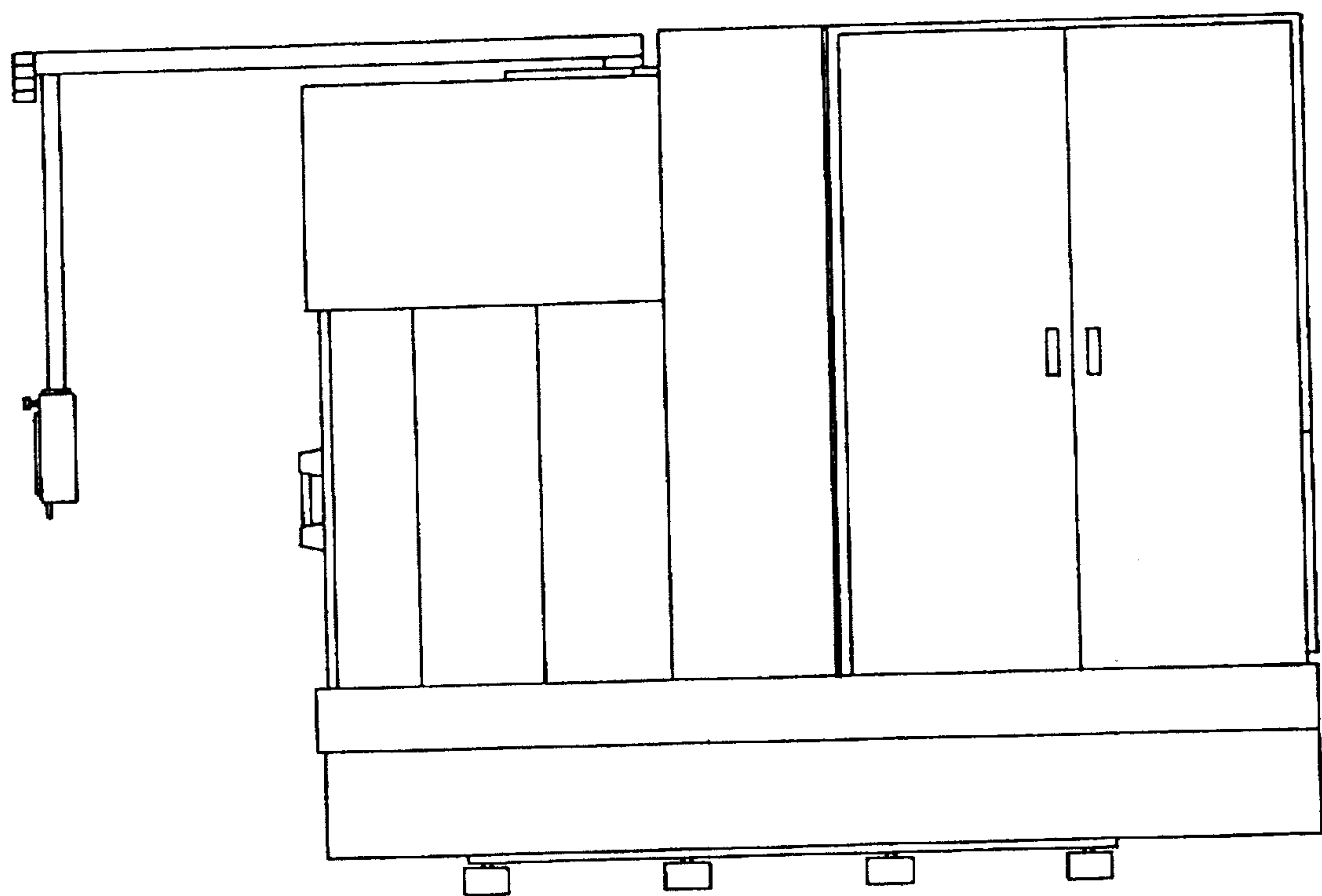


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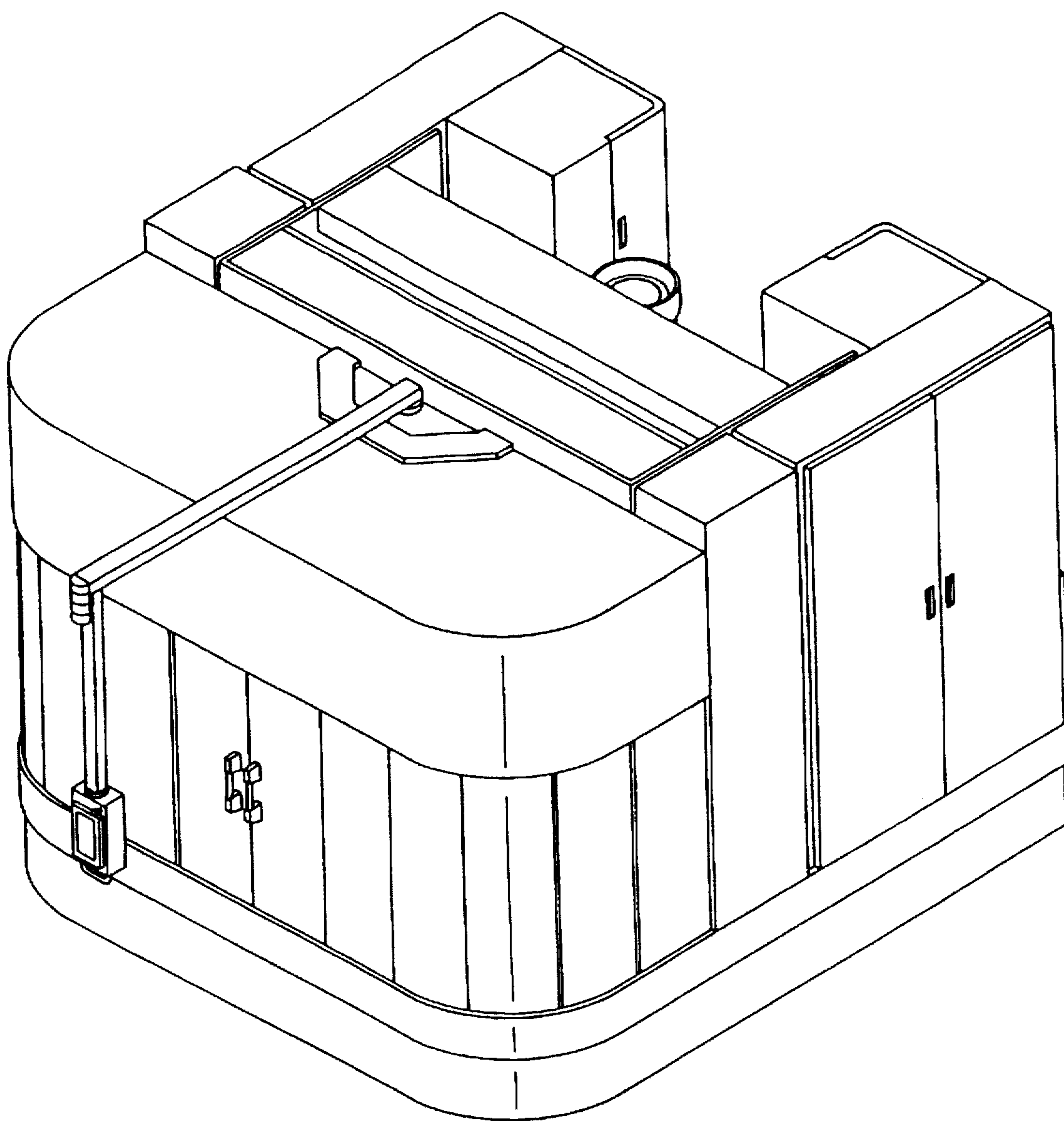


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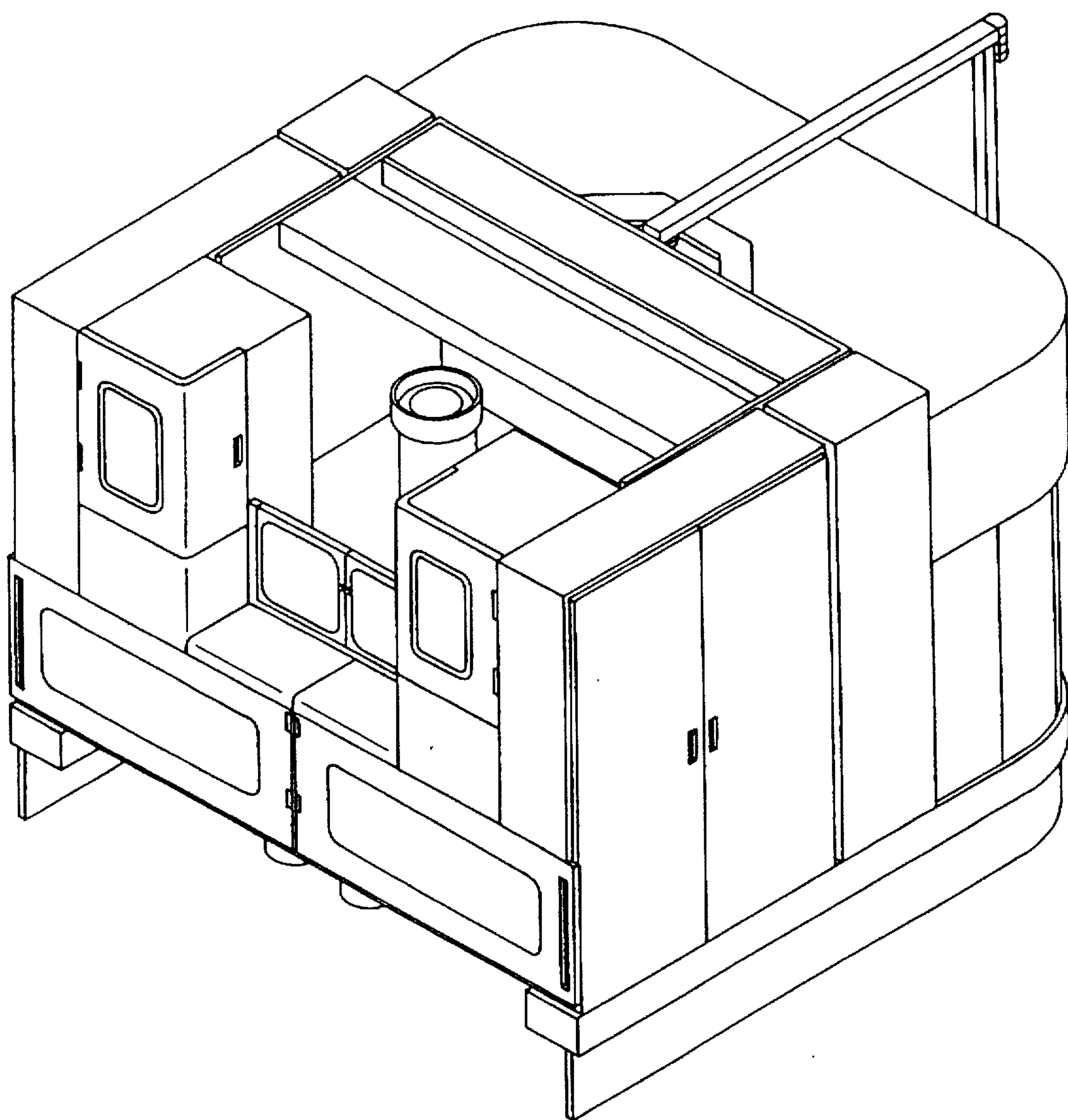


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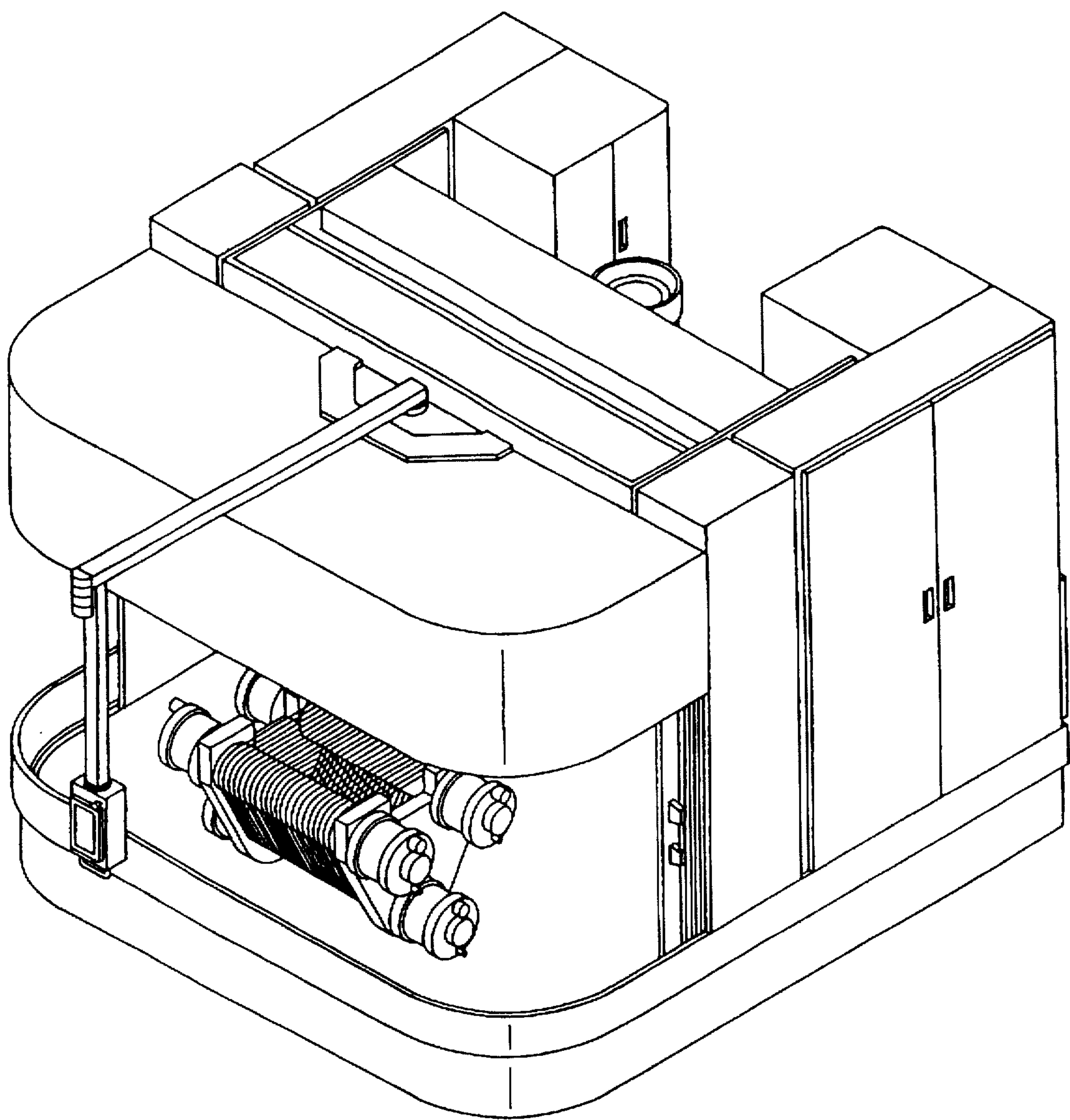


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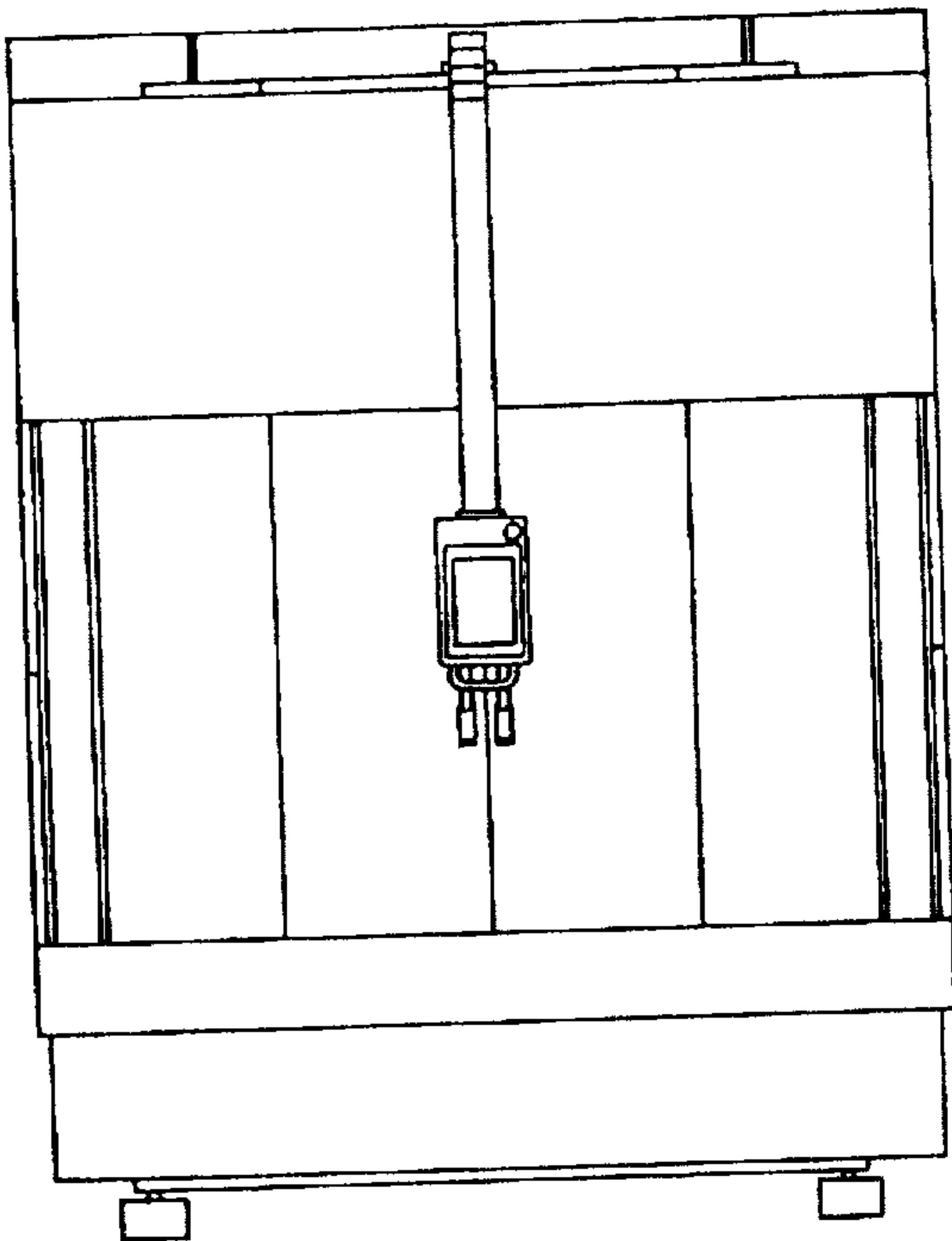


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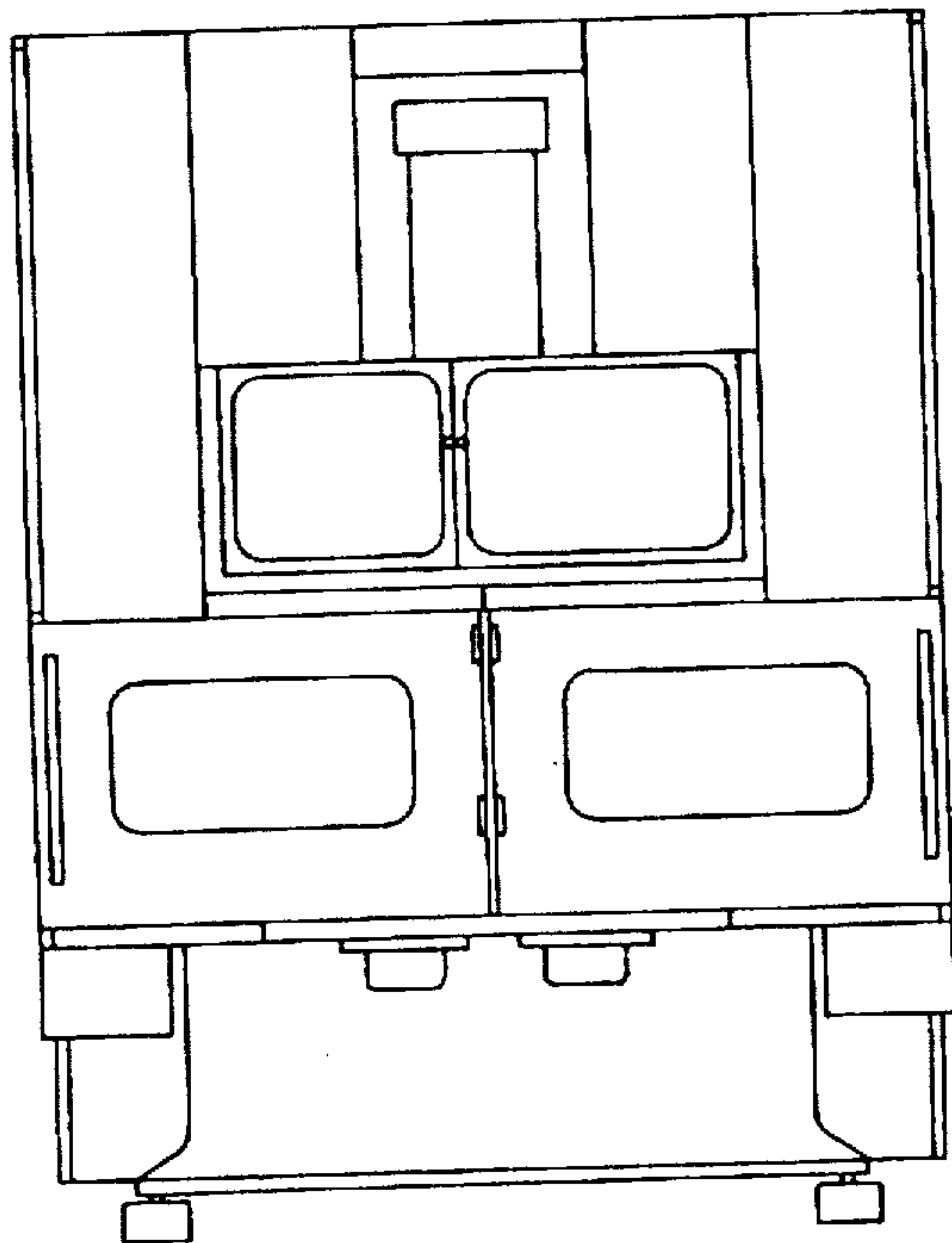


Fig. 82

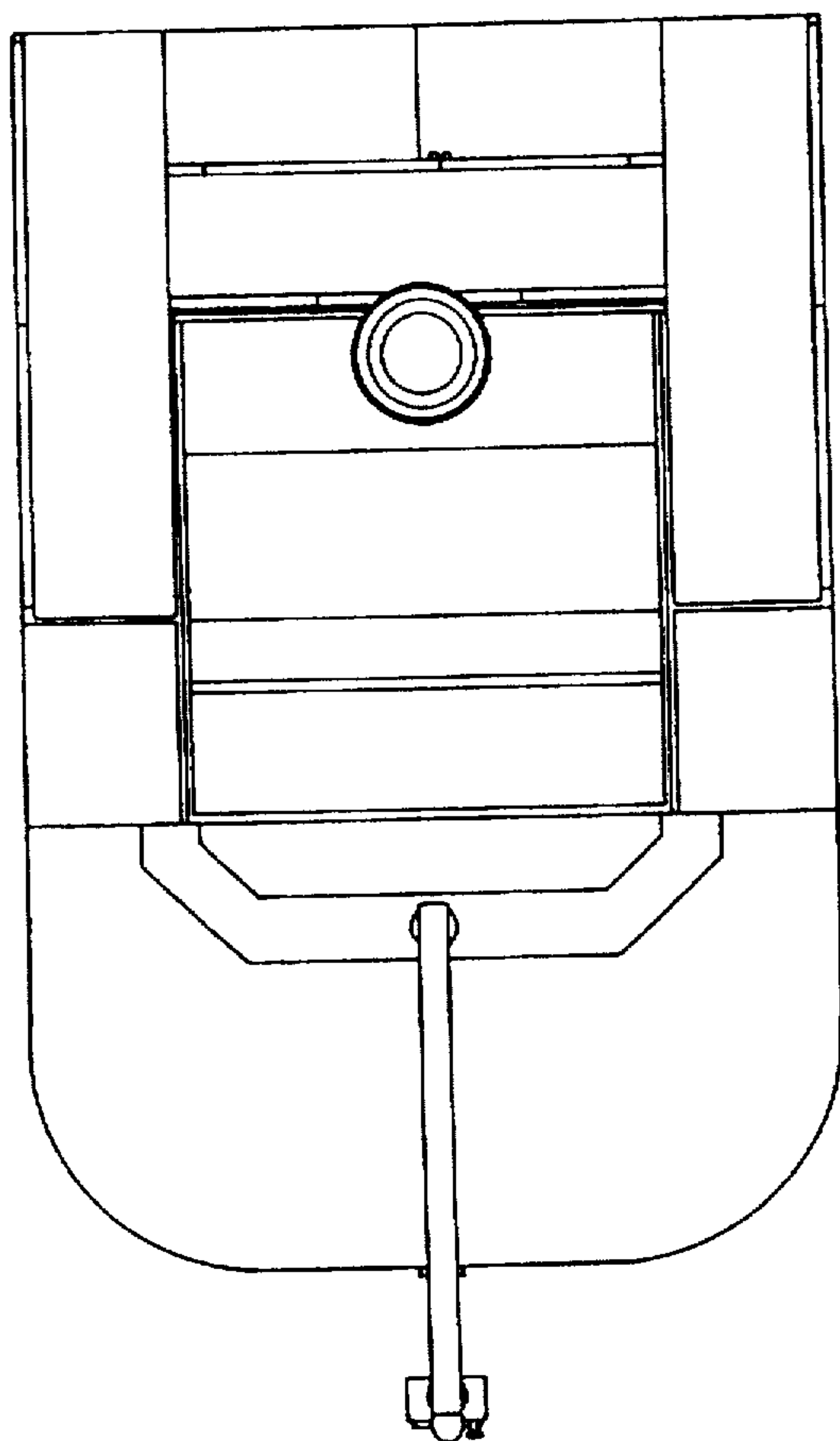


Fig. 83

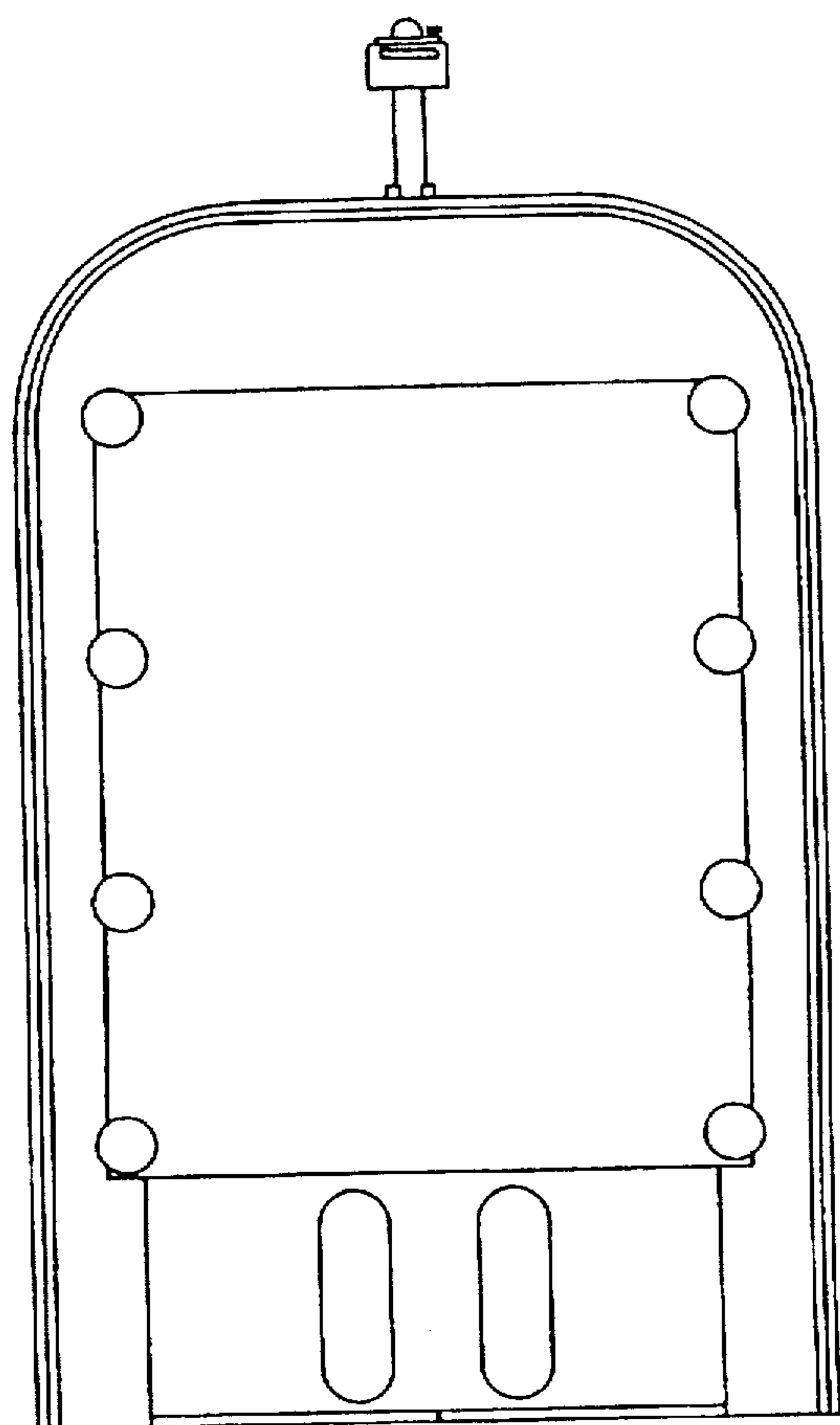


Fig. 84

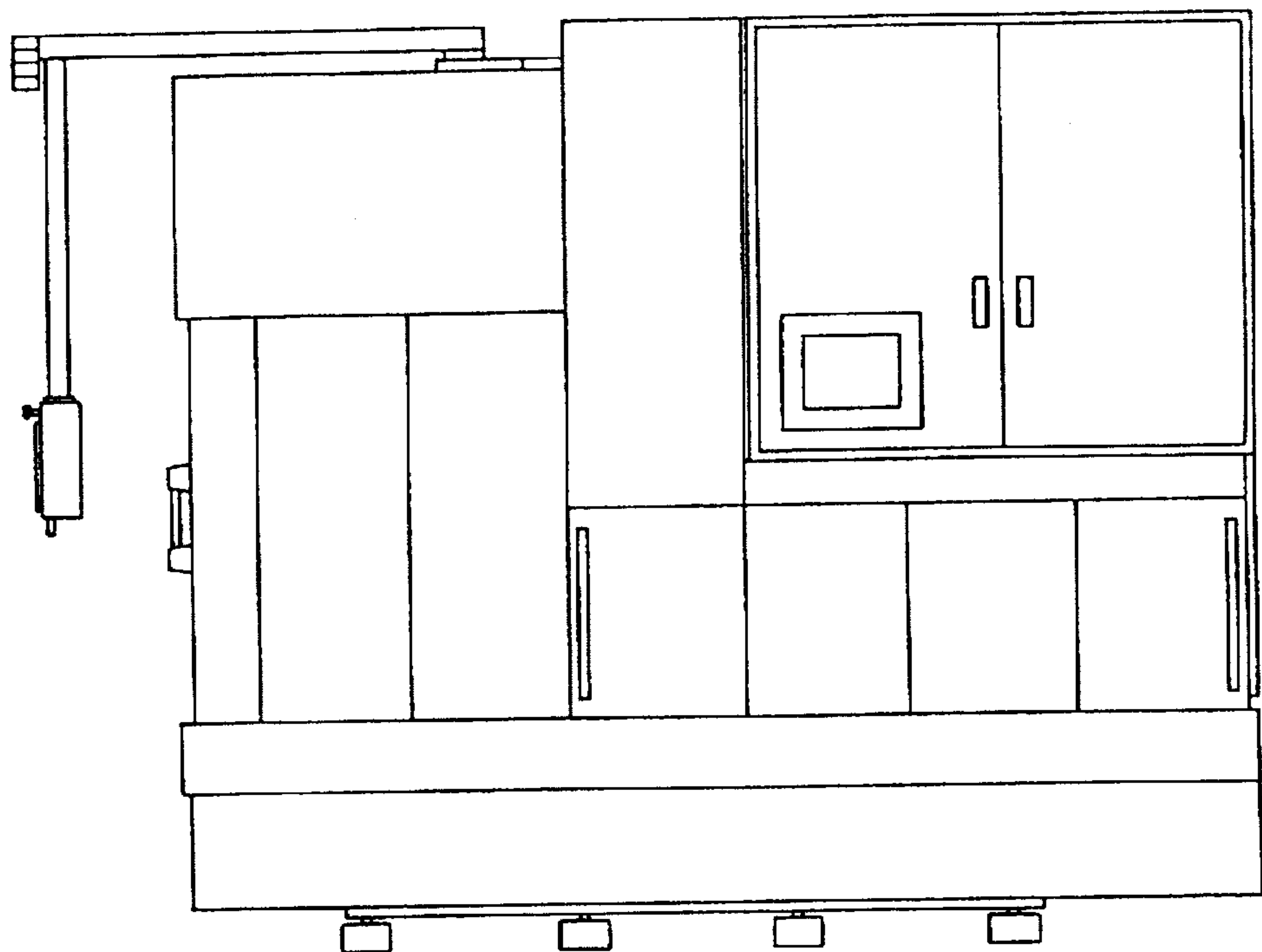


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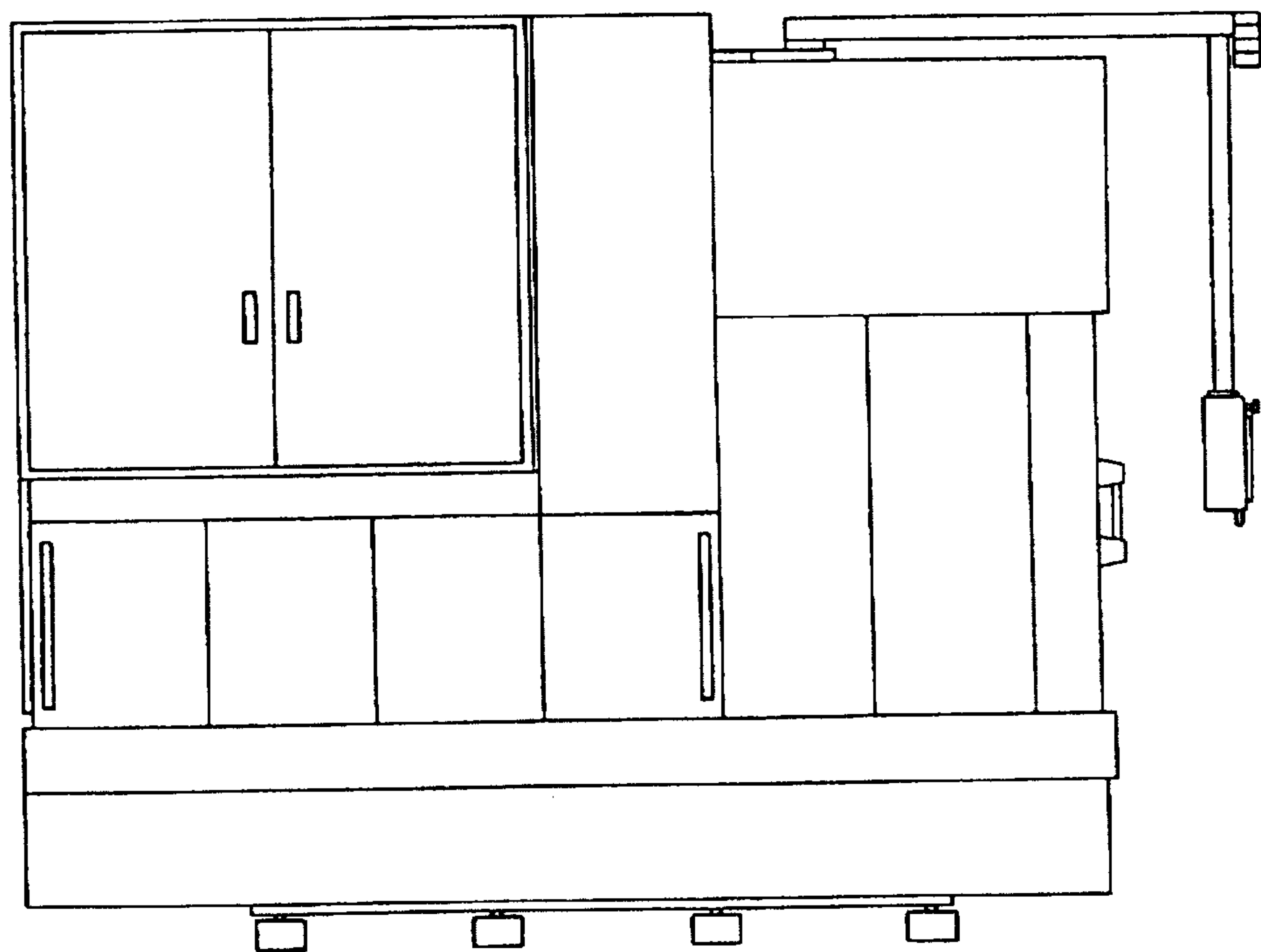


Fig. 86

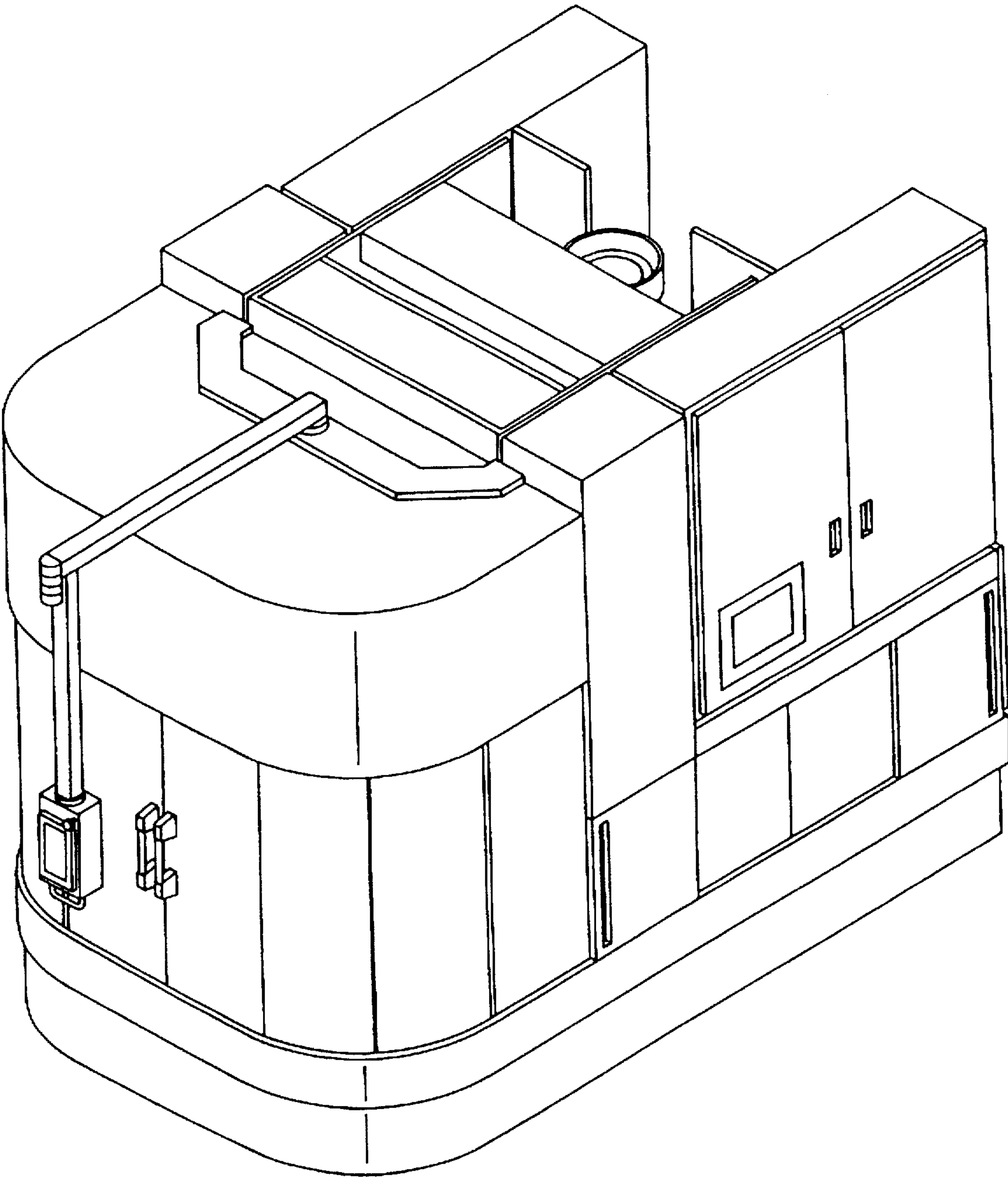


Fig. 87

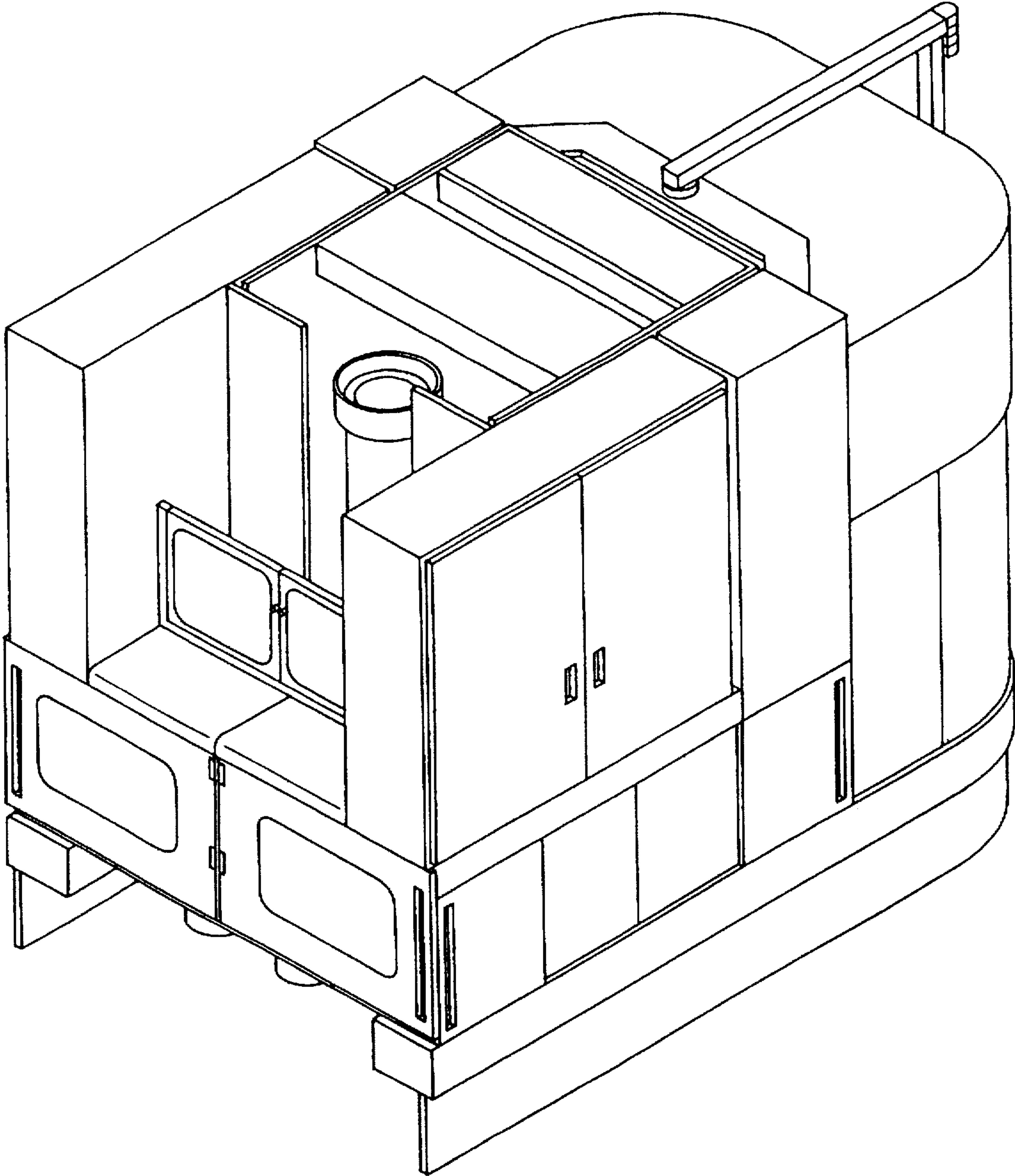


Fig. 88

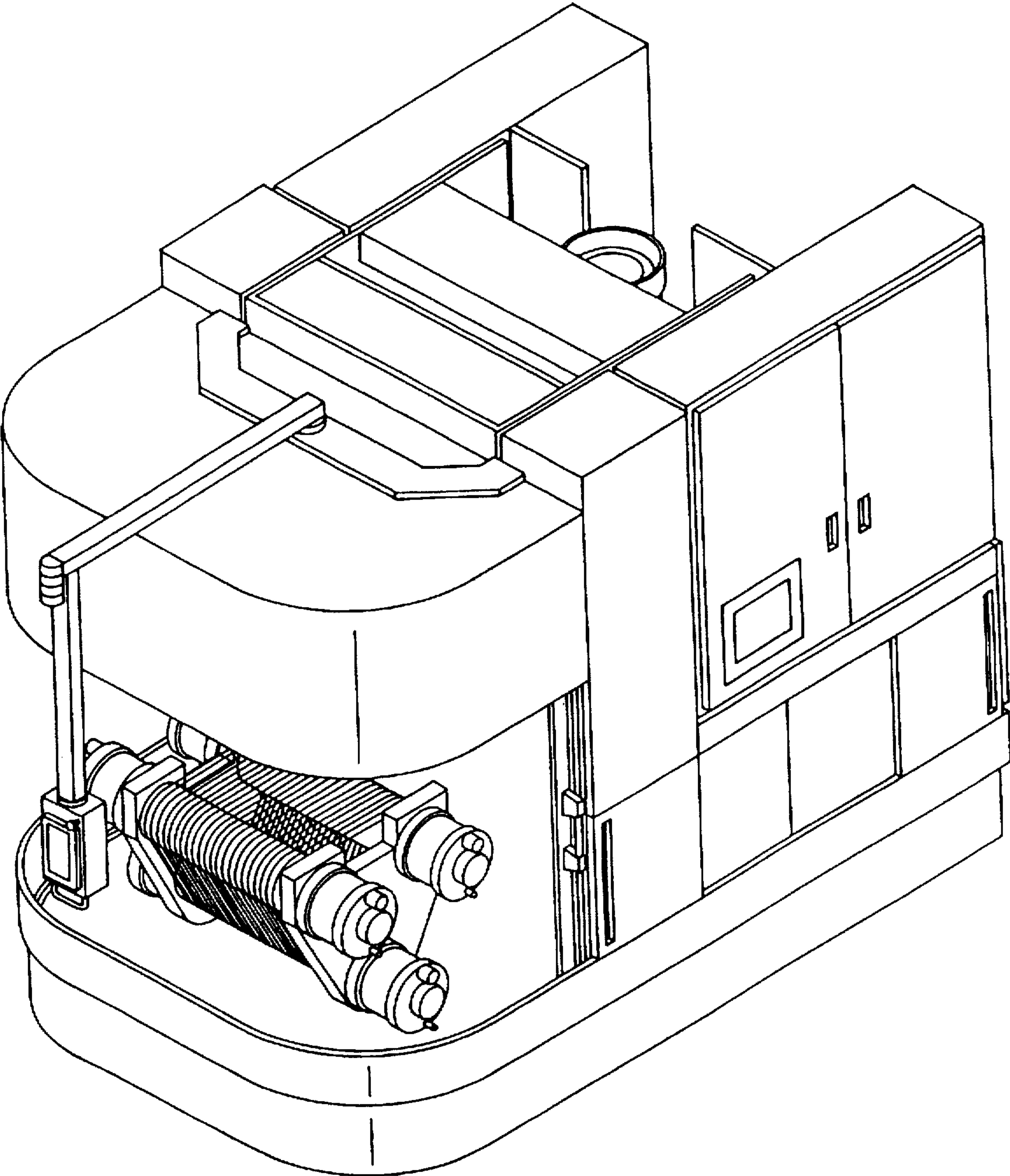


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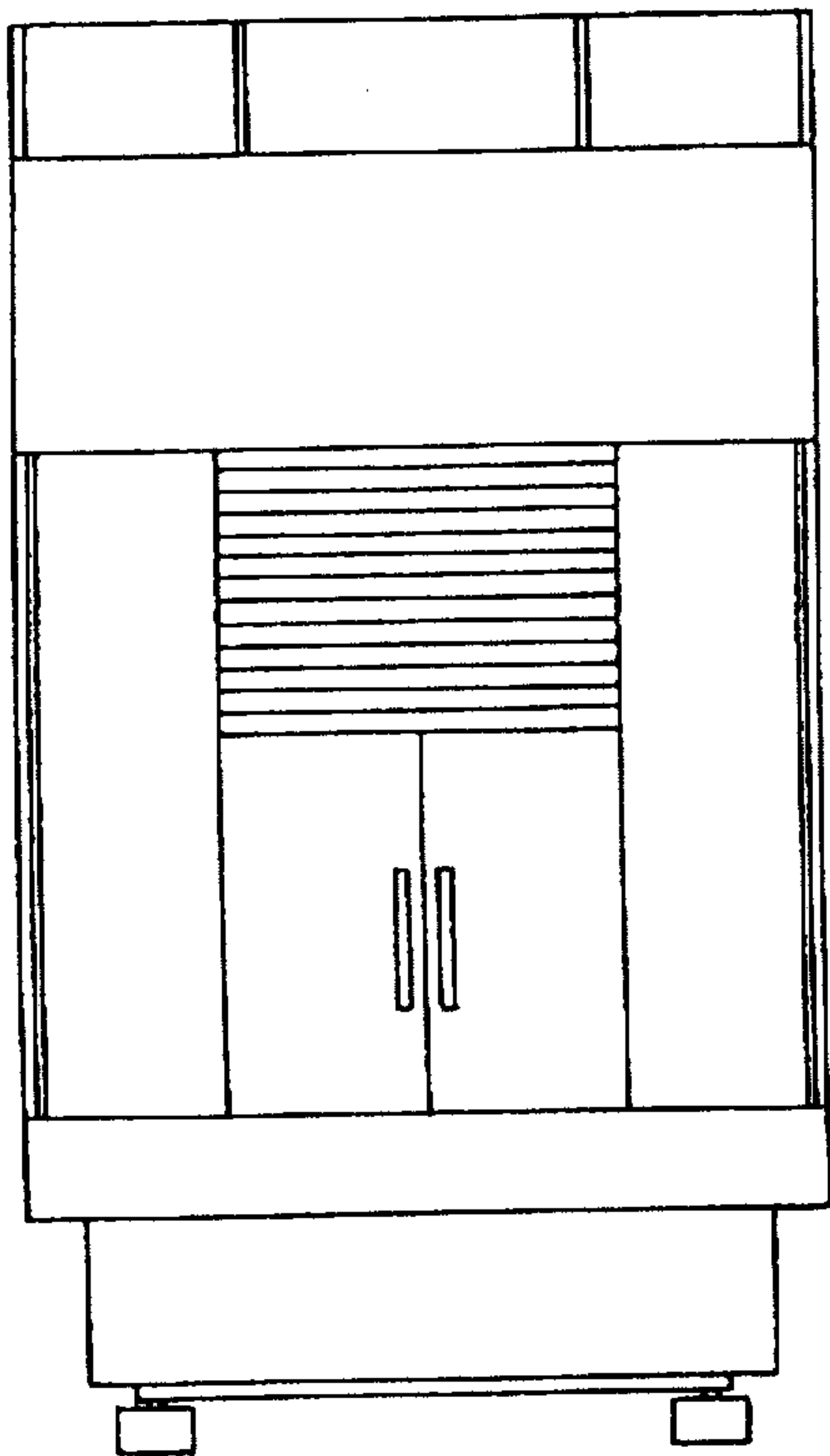


Fig. 90

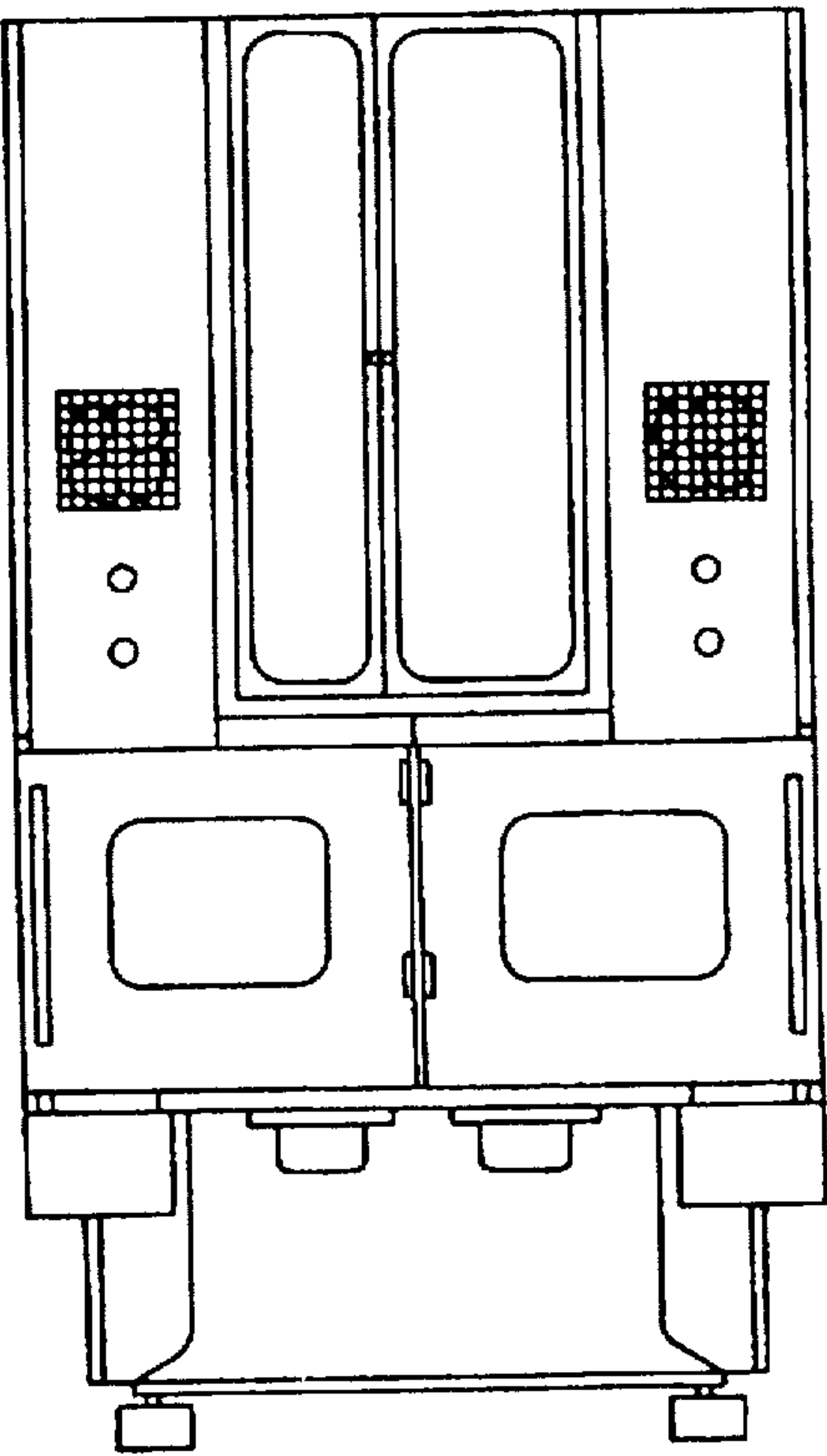


Fig. 91

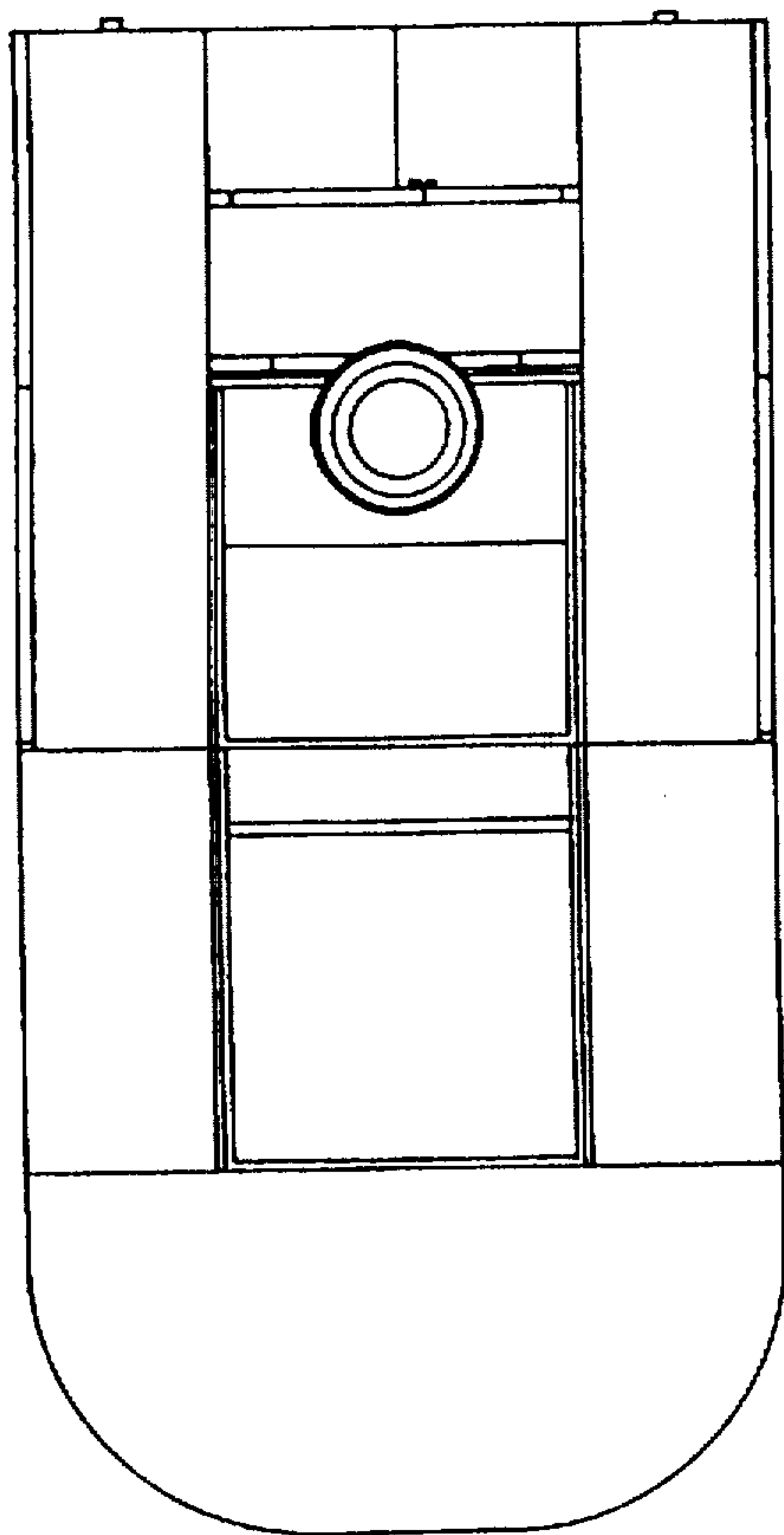


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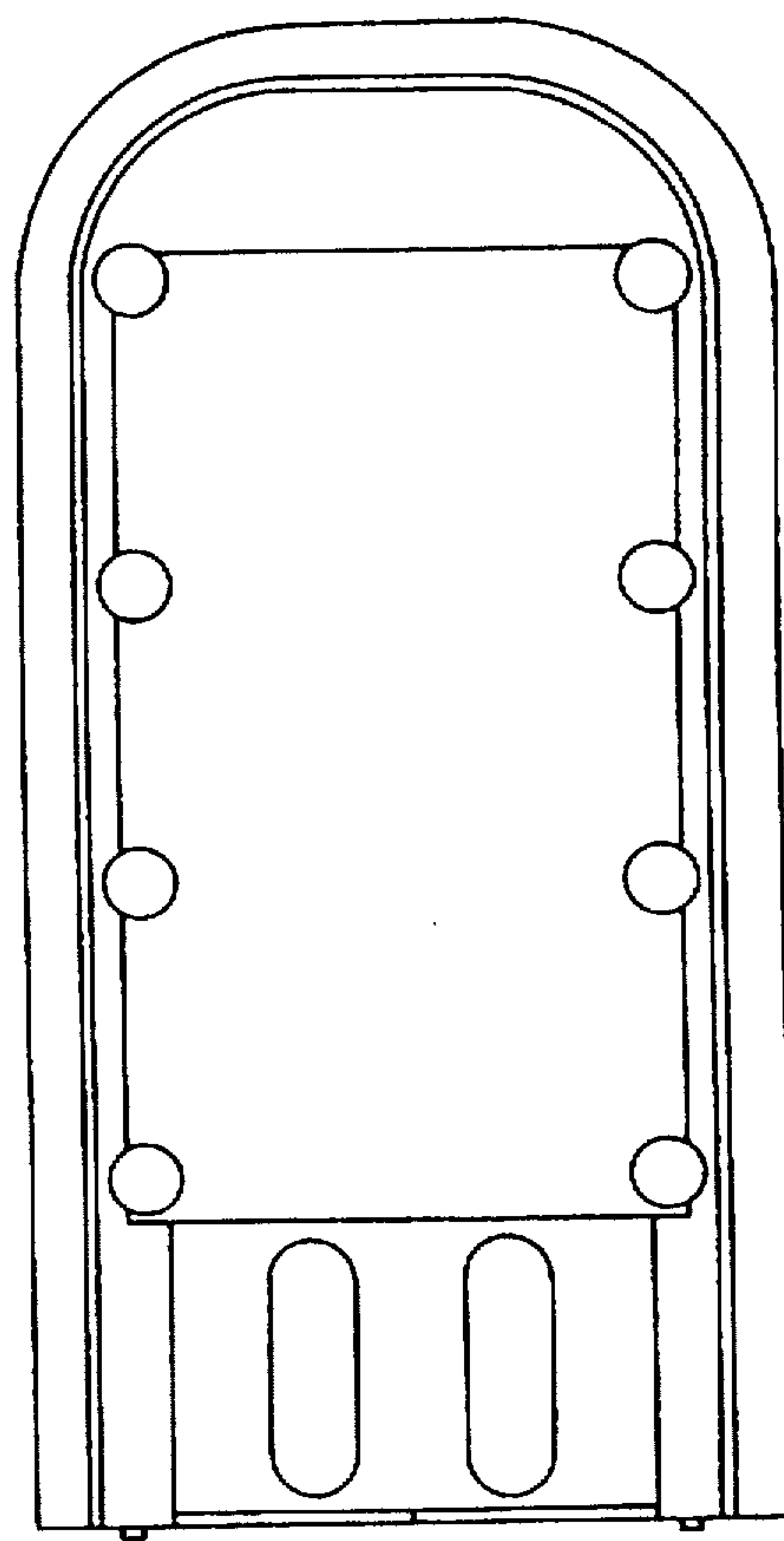


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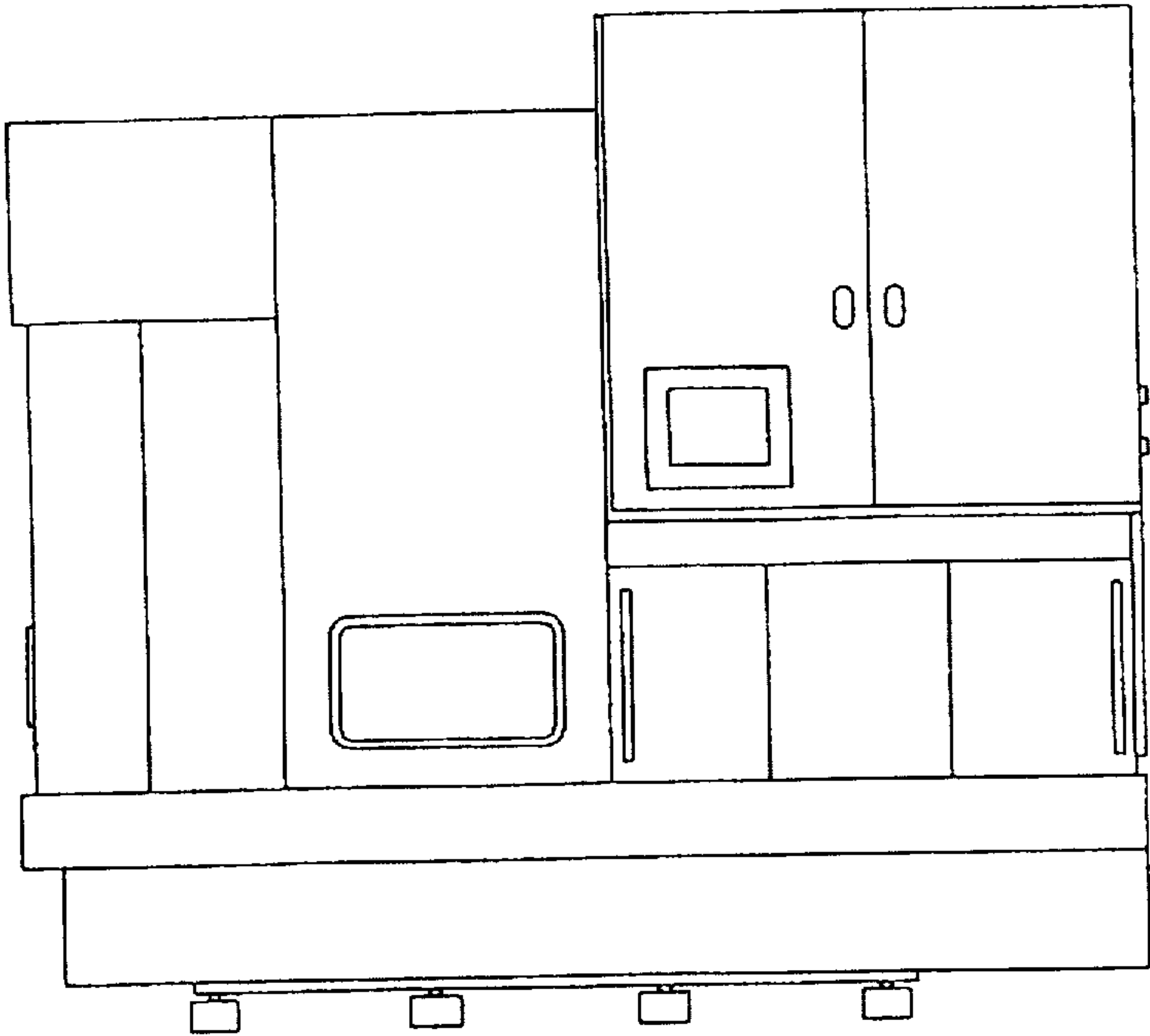


Fig. 94

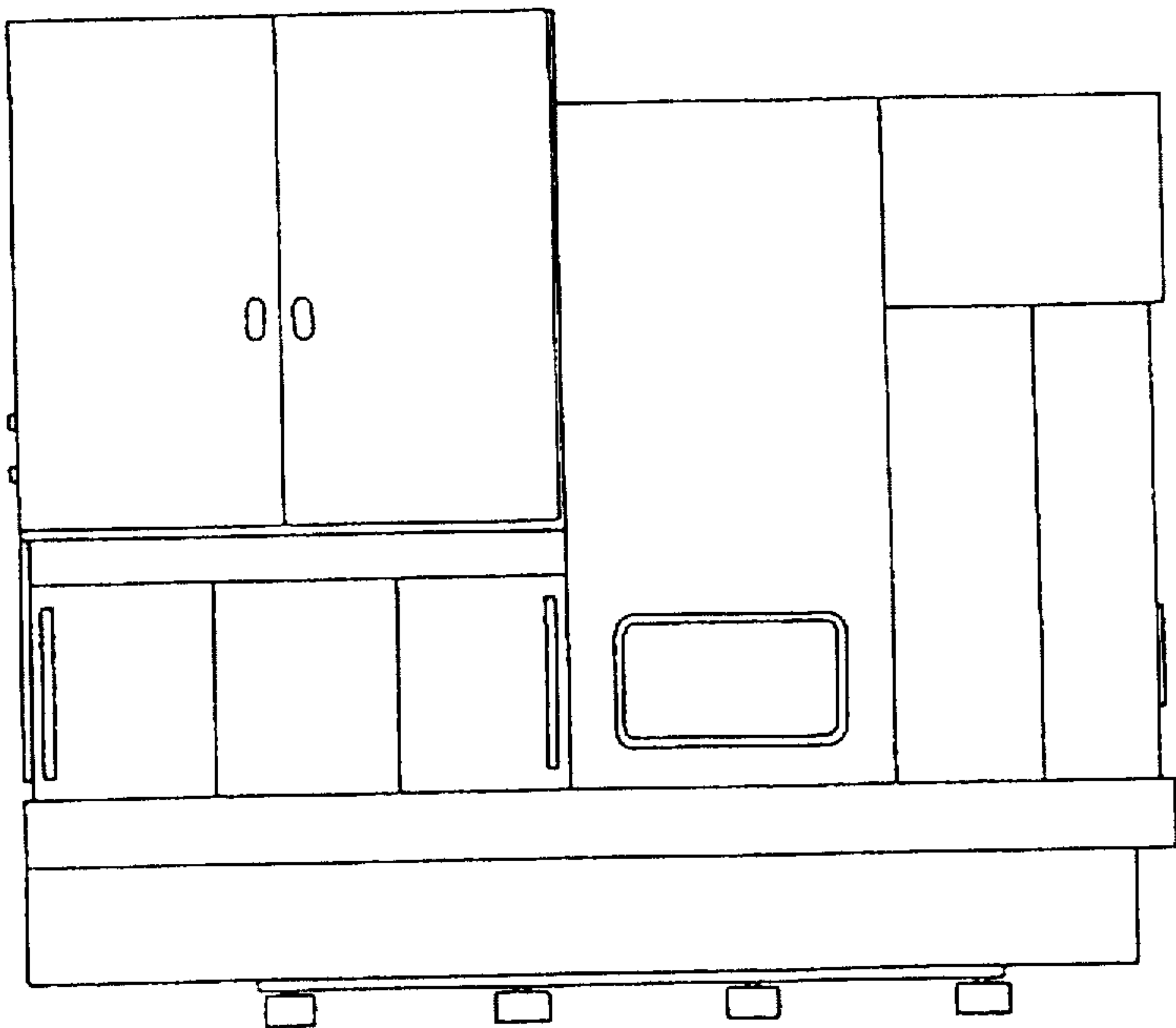


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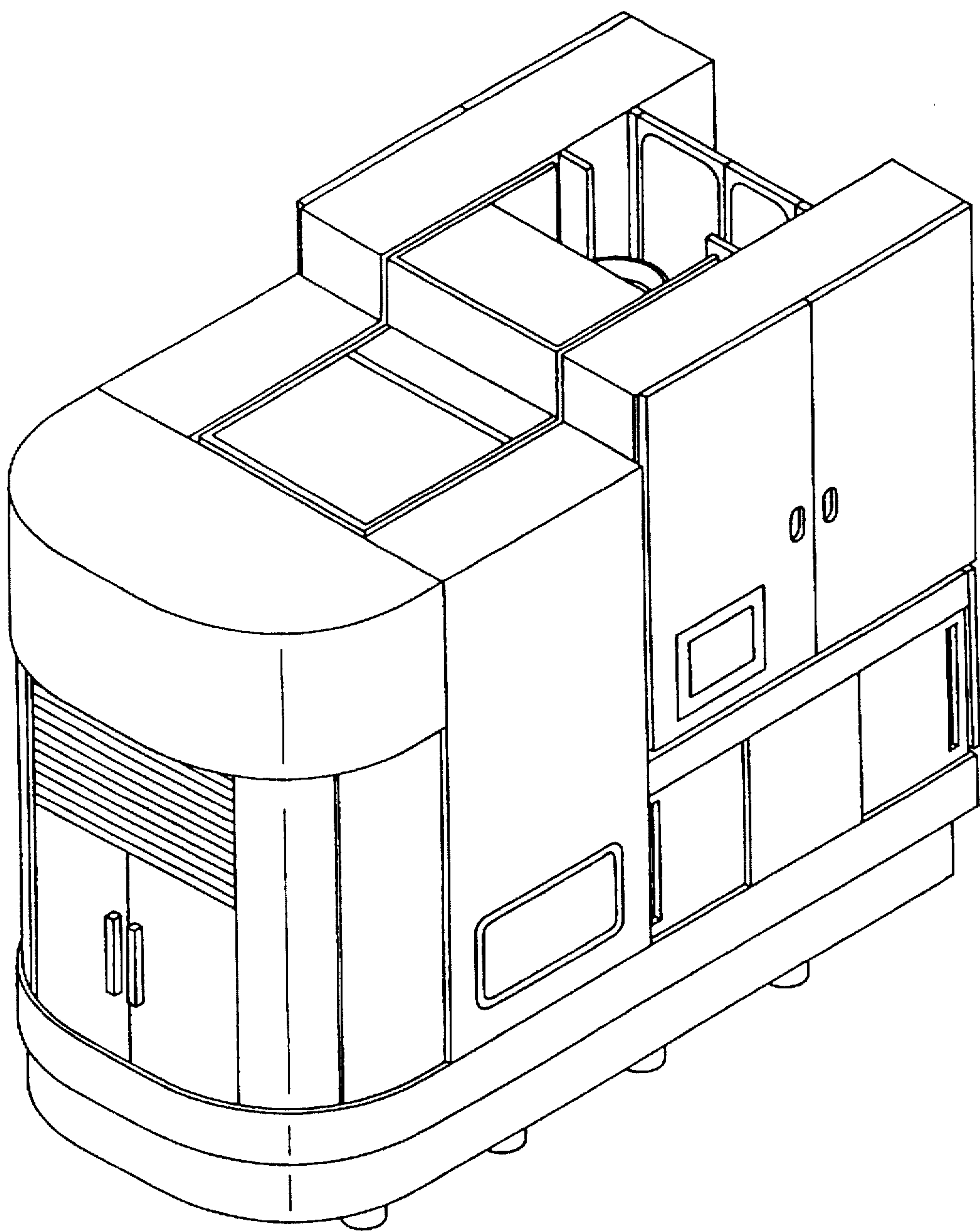


Fig. 96

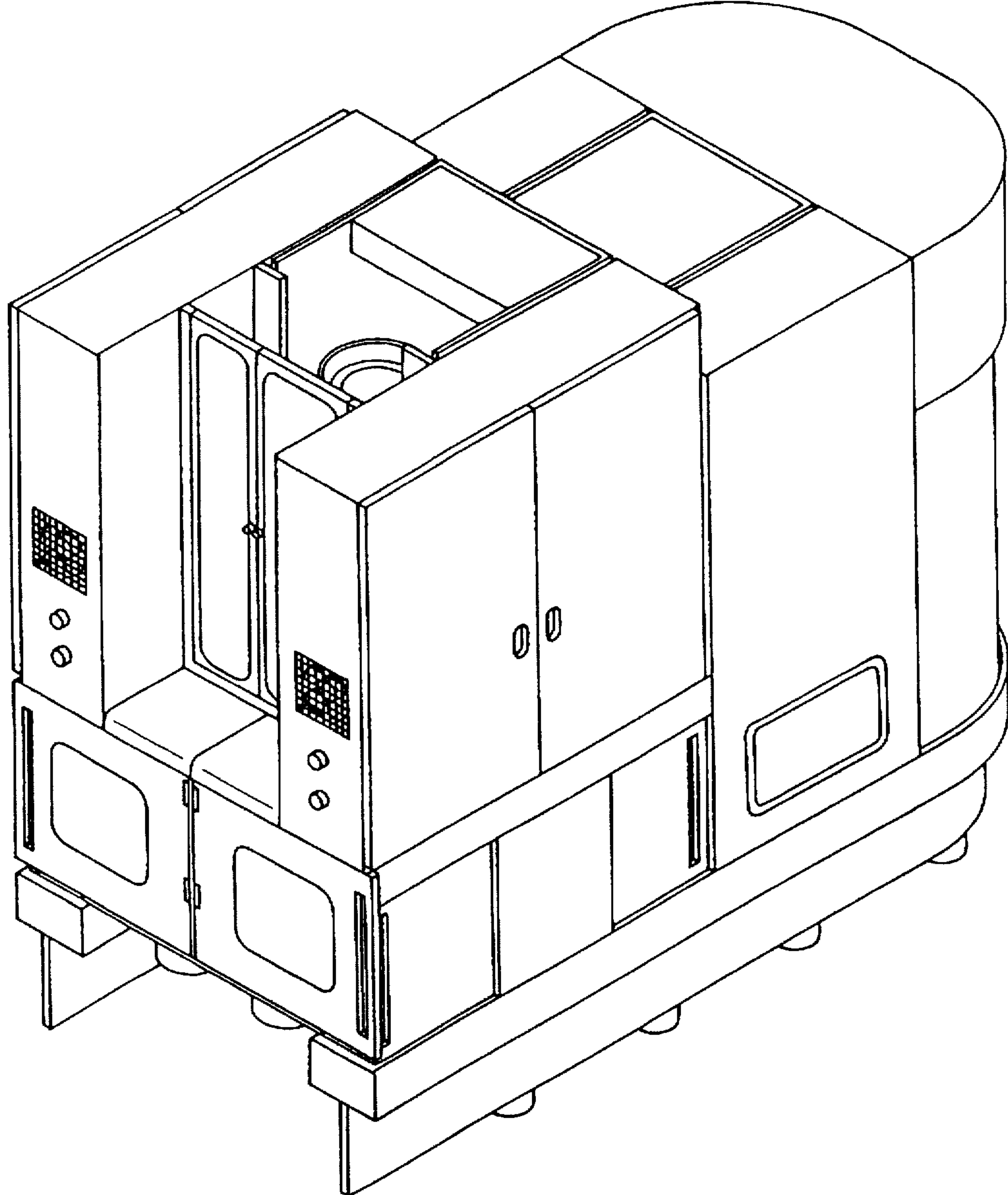


Fig. 97

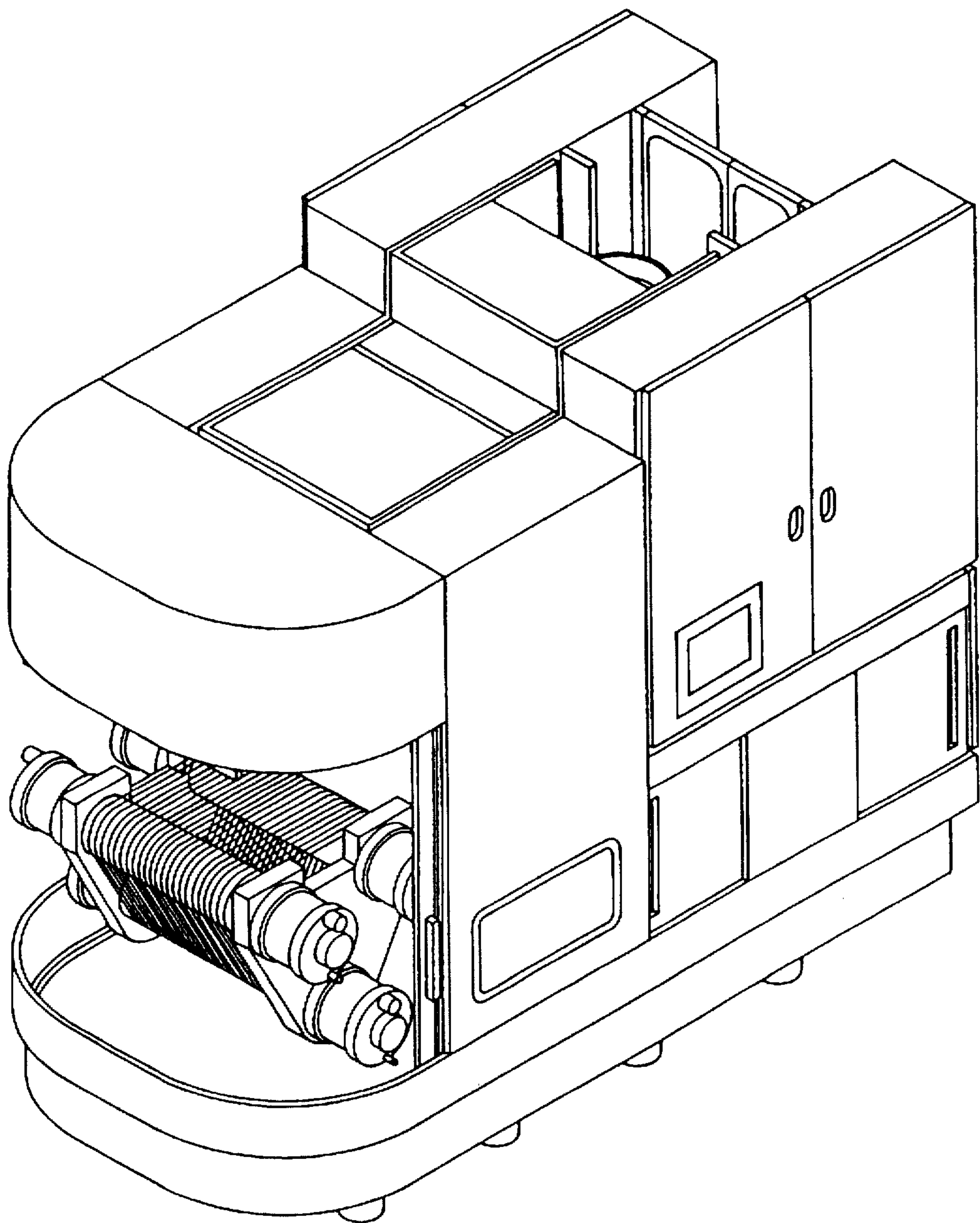


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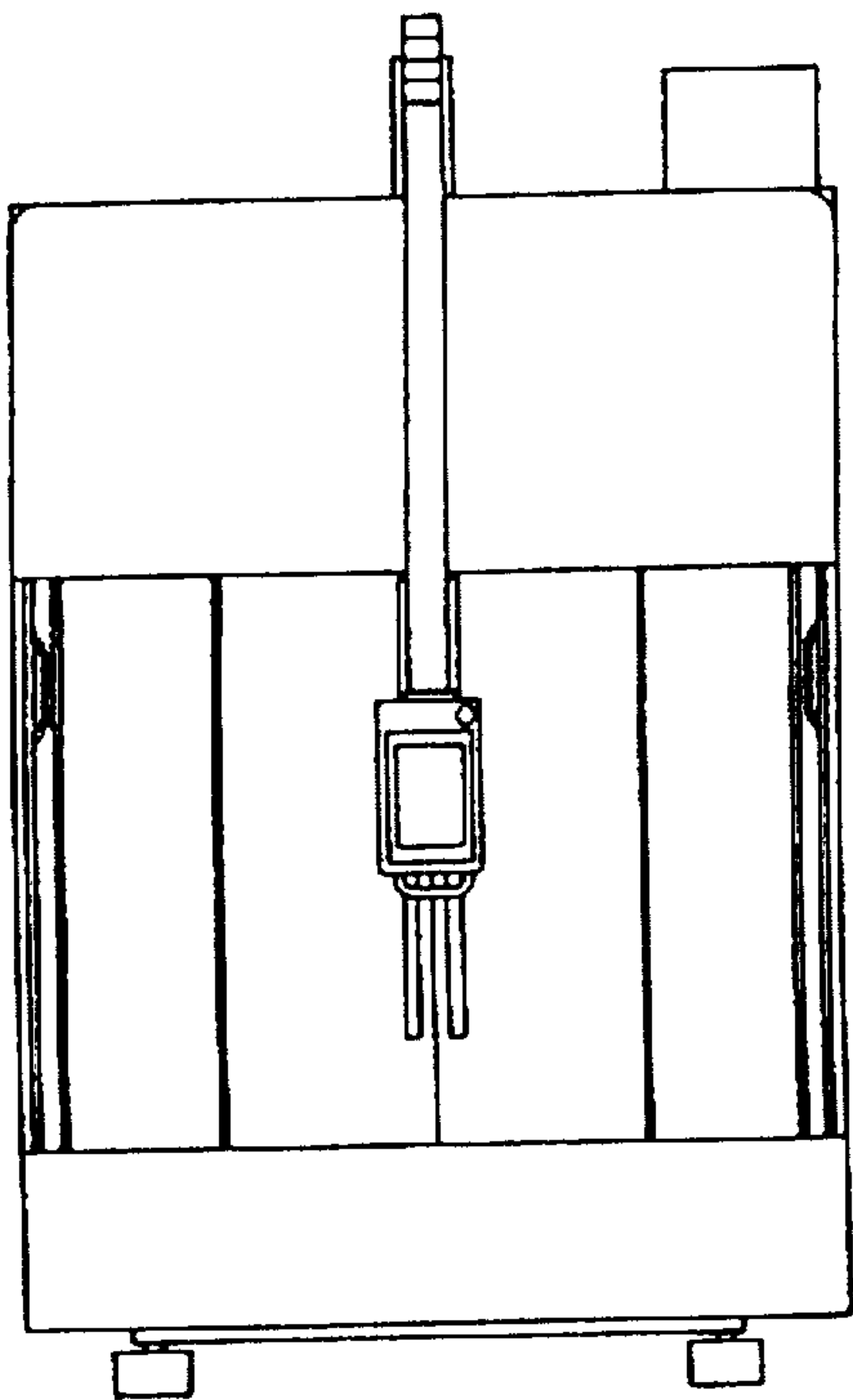


Fig. 99

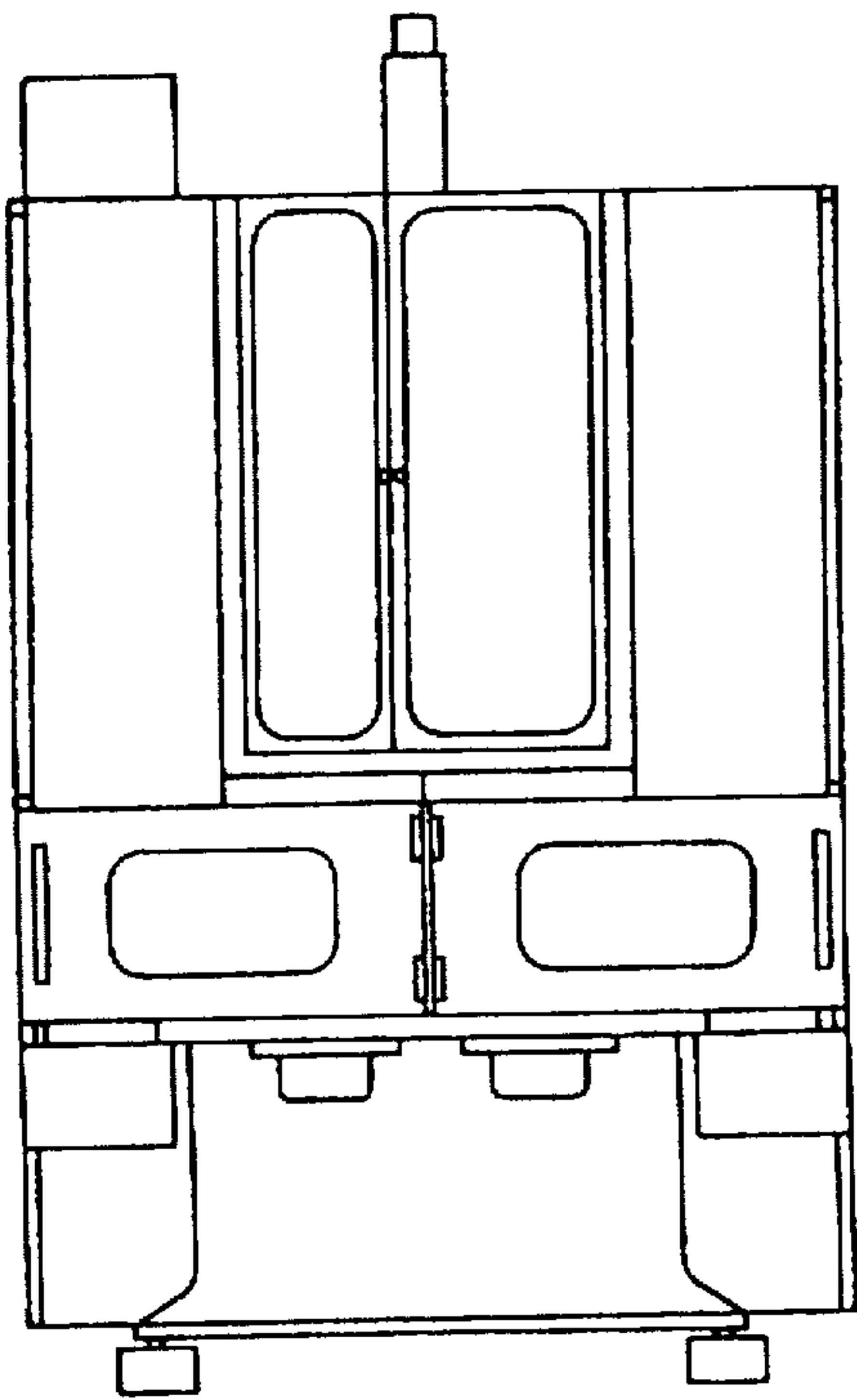


Fig. 100

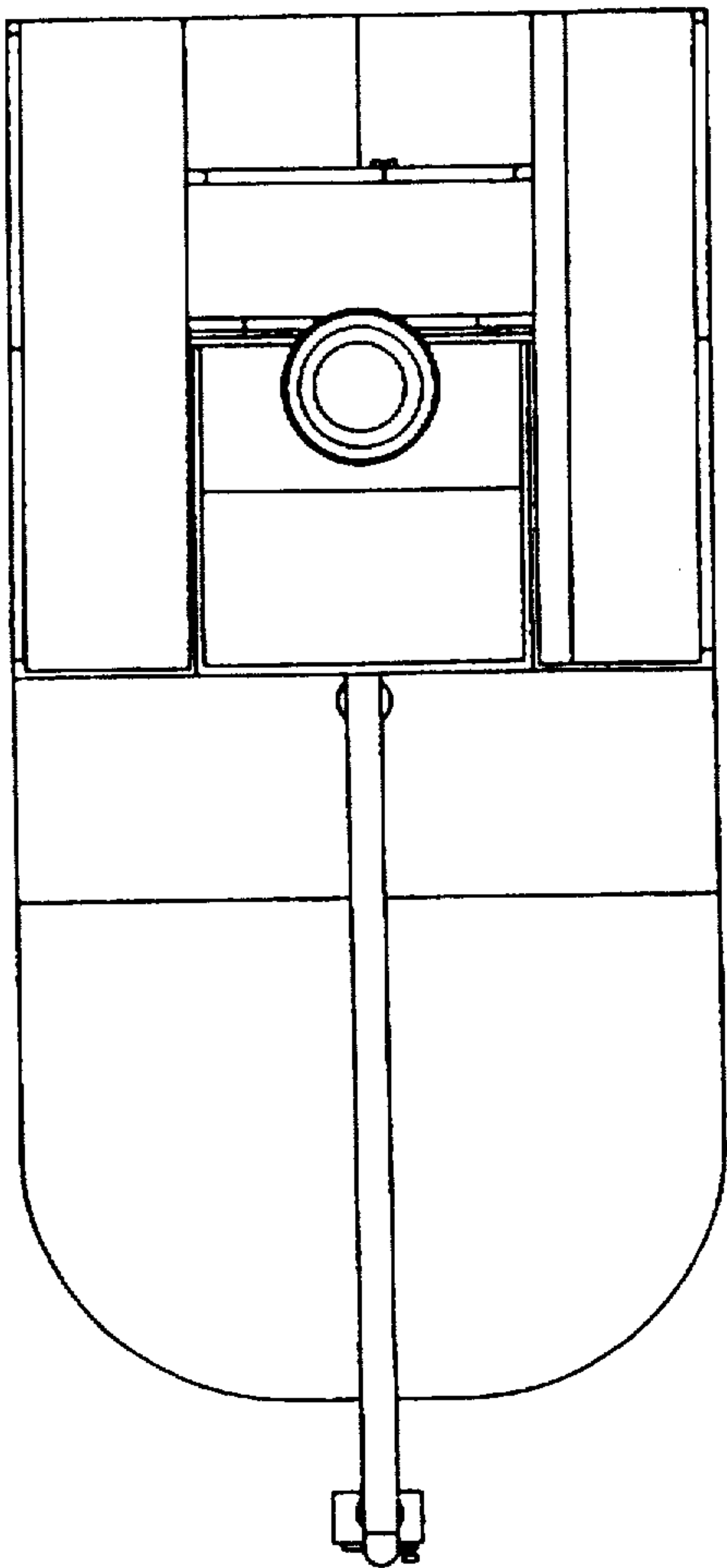


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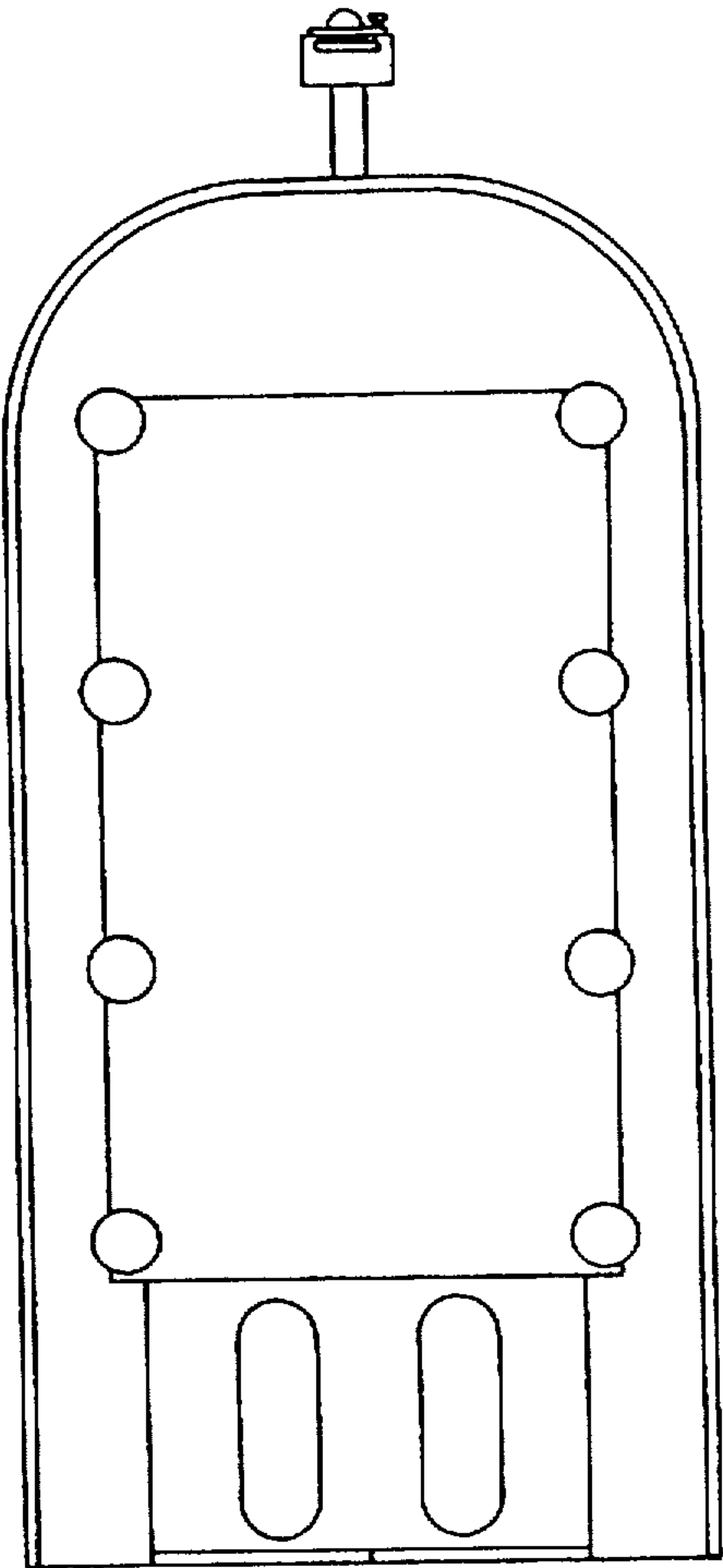


Fig. 102

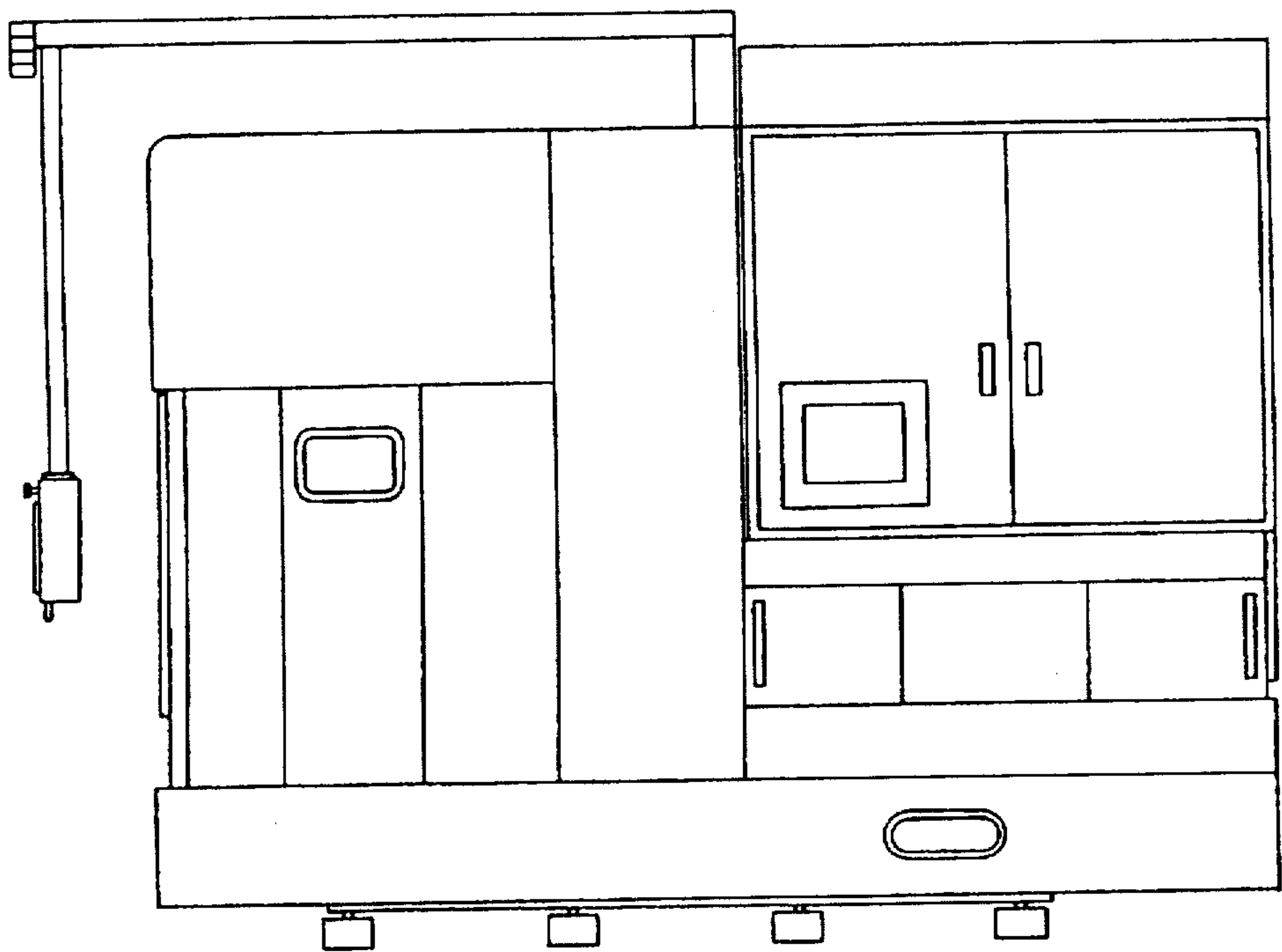


Fig. 103

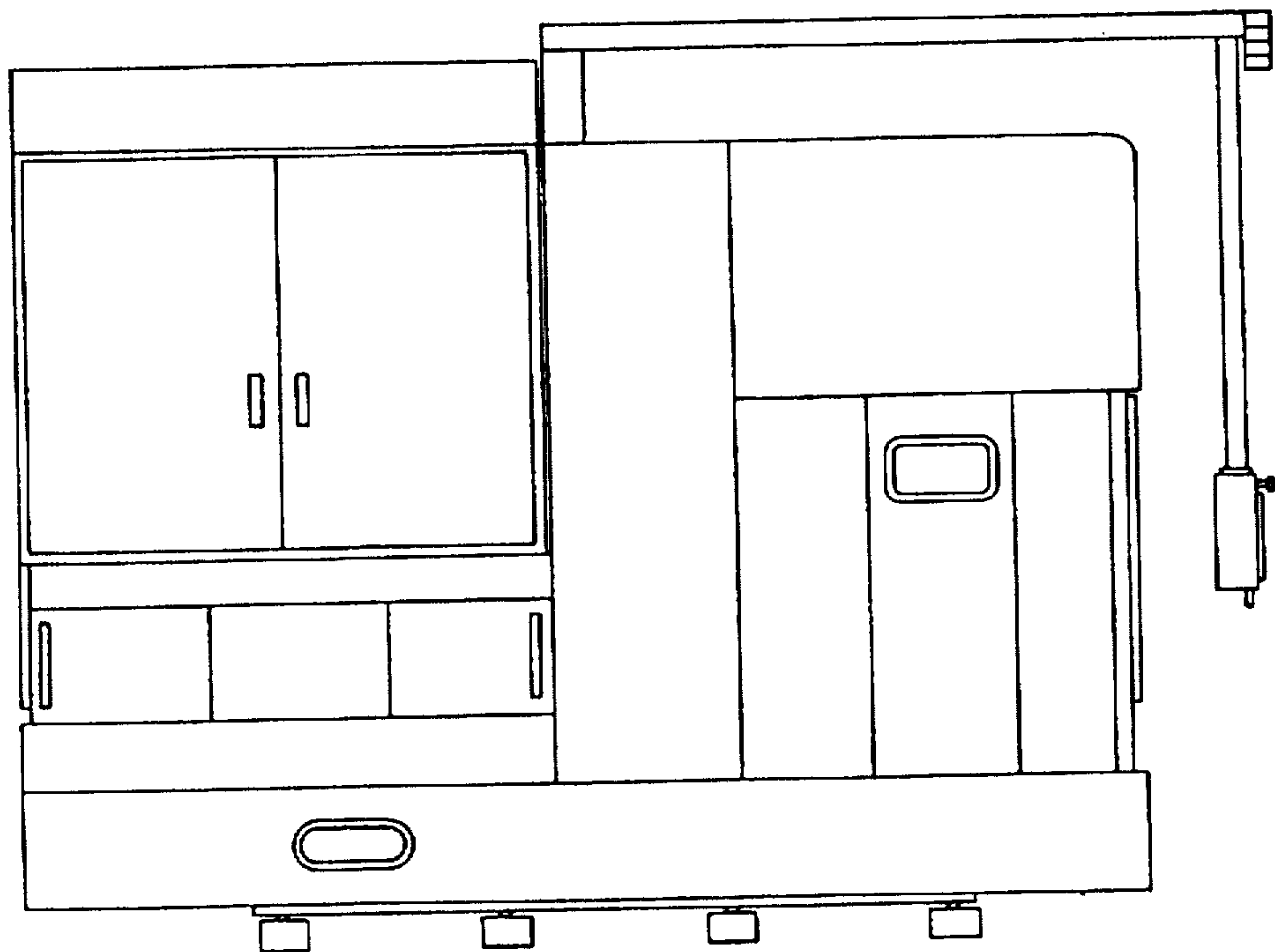


Fig. 104

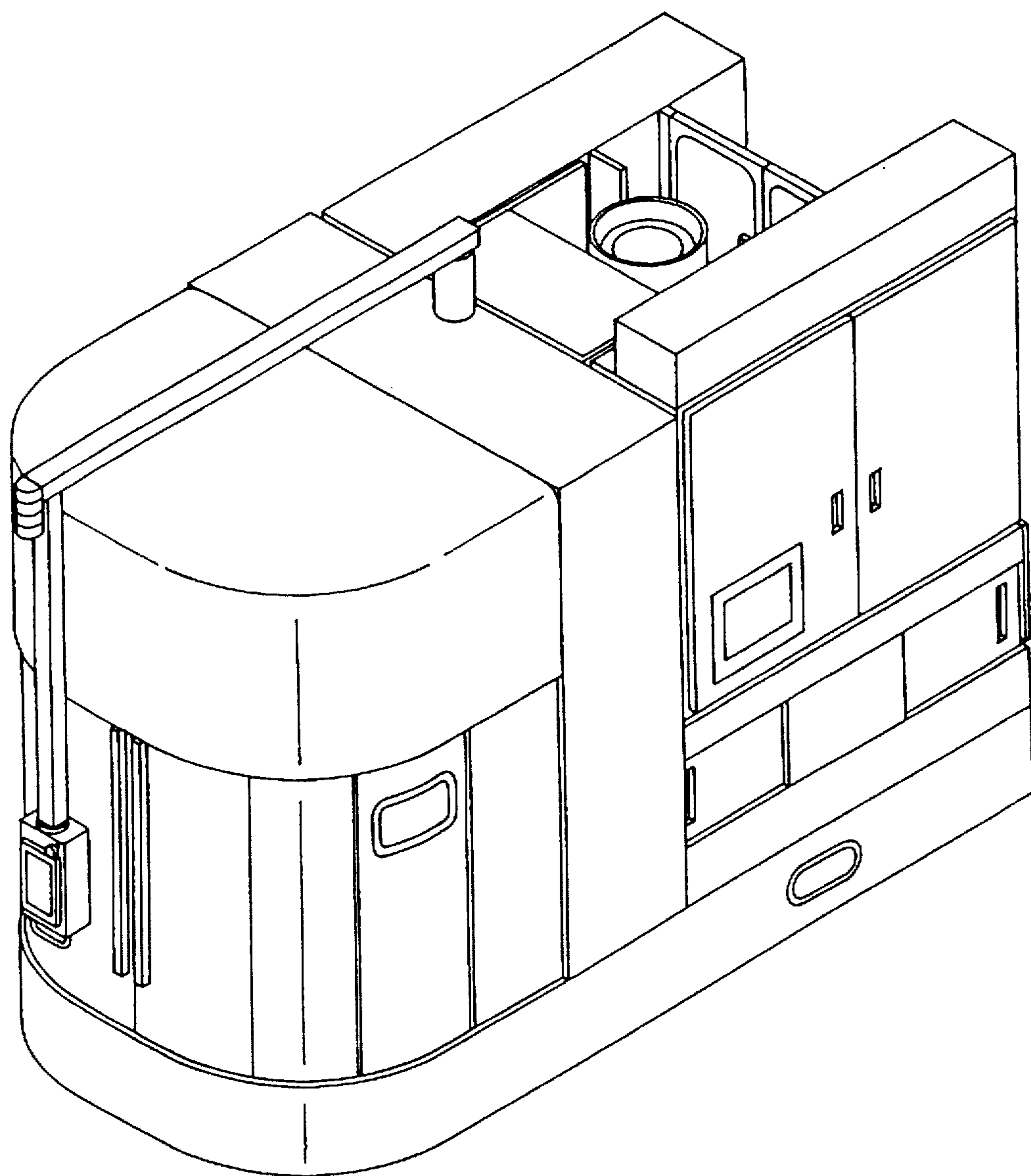


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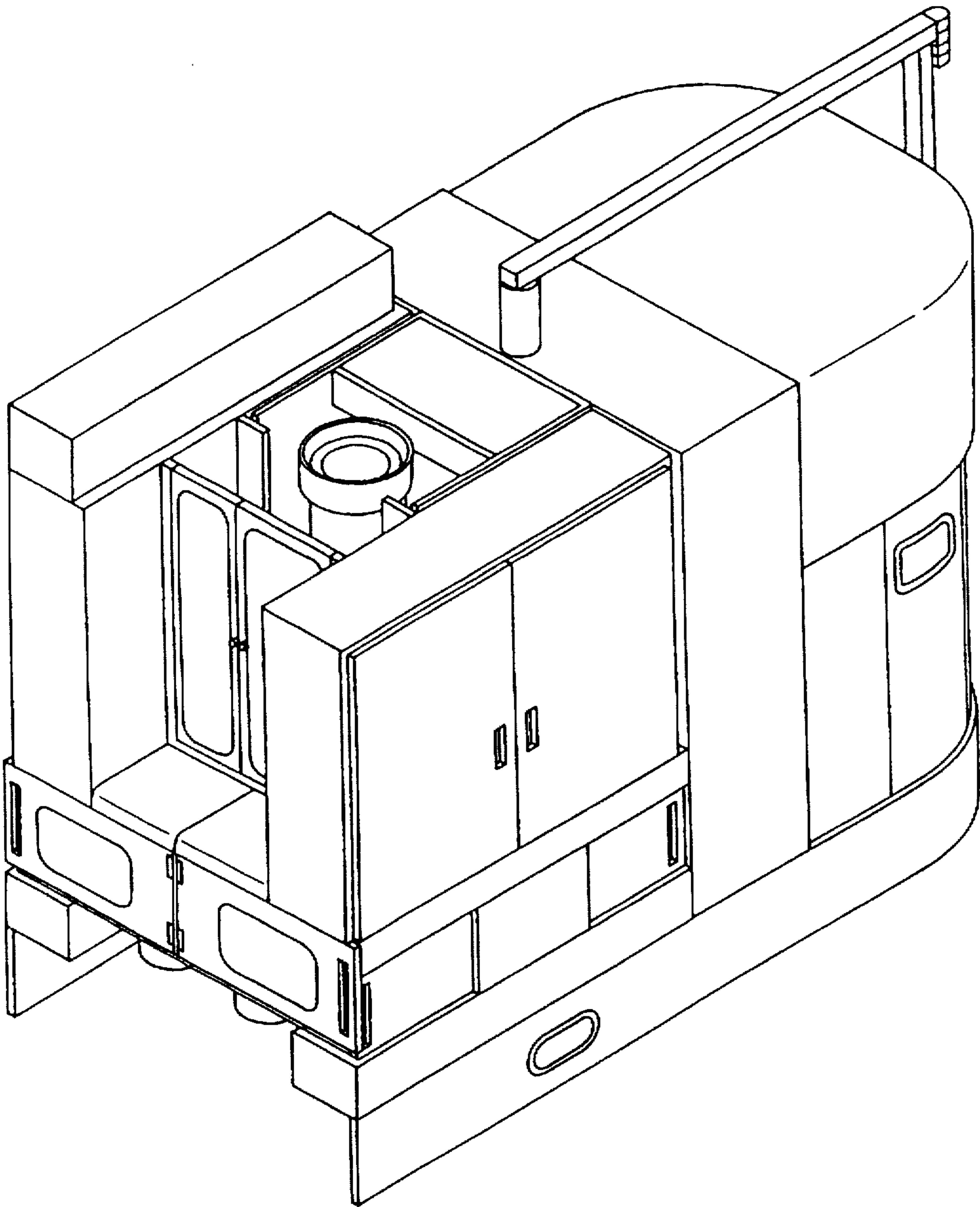


Fig. 106

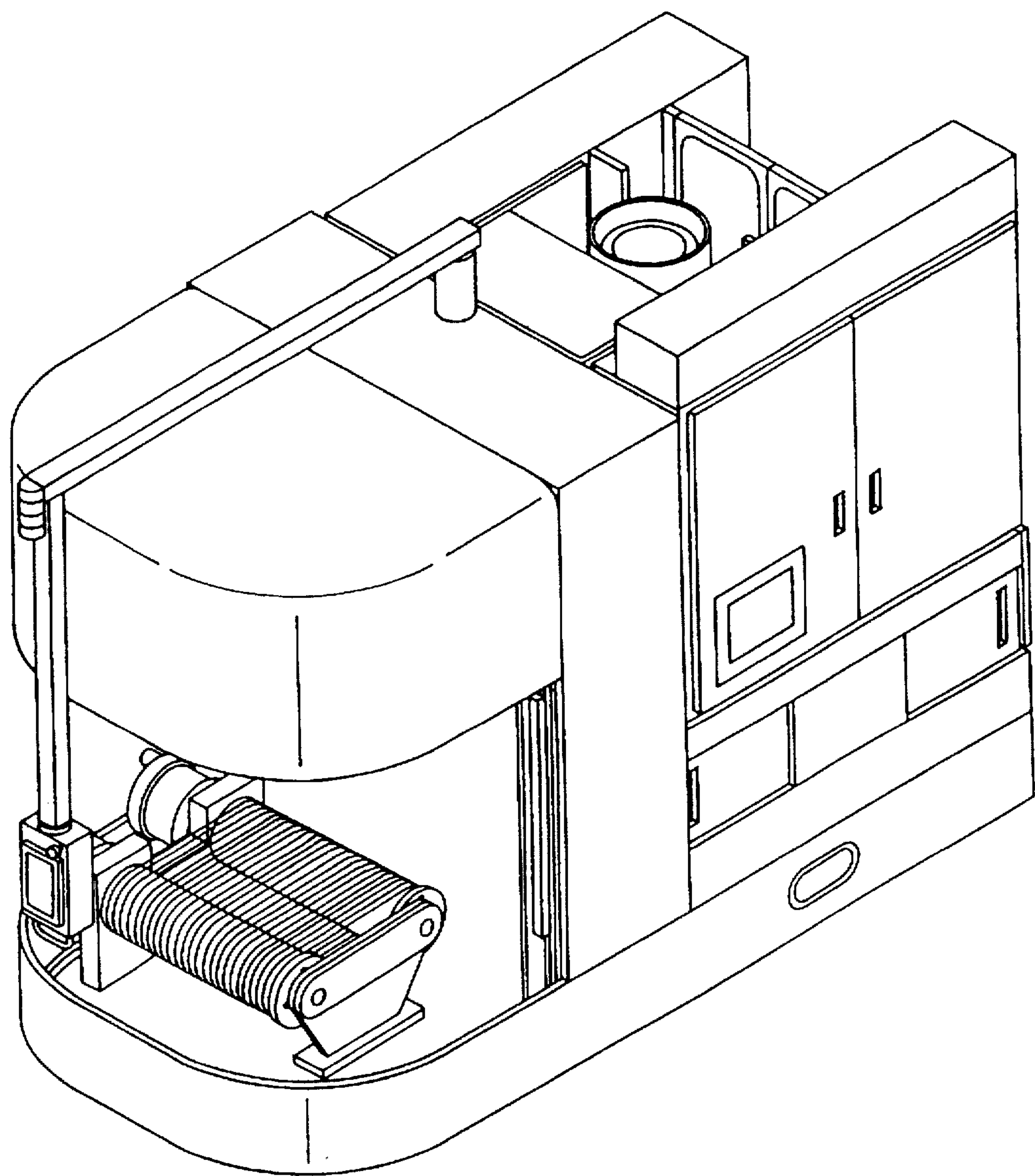


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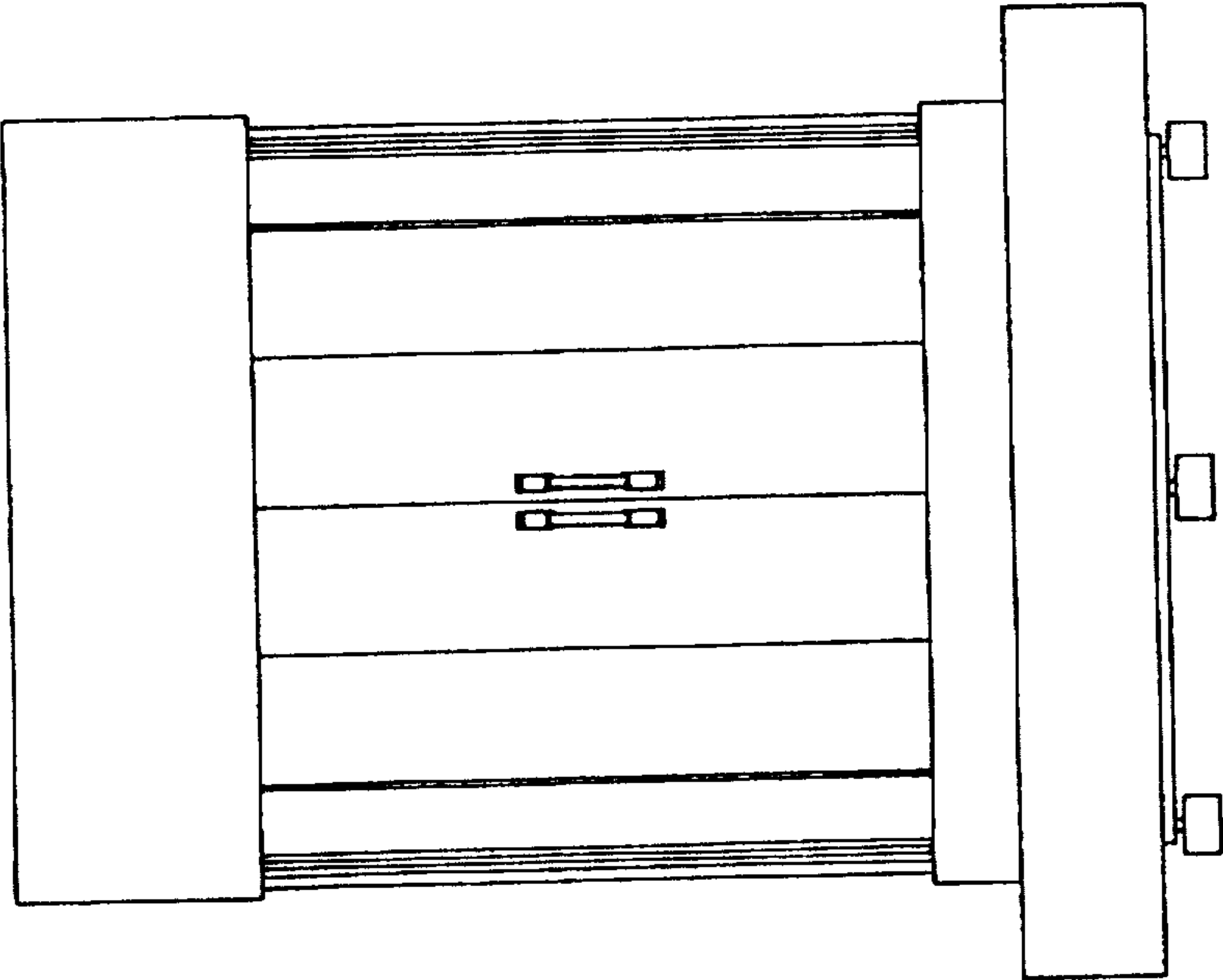


Fig. 108

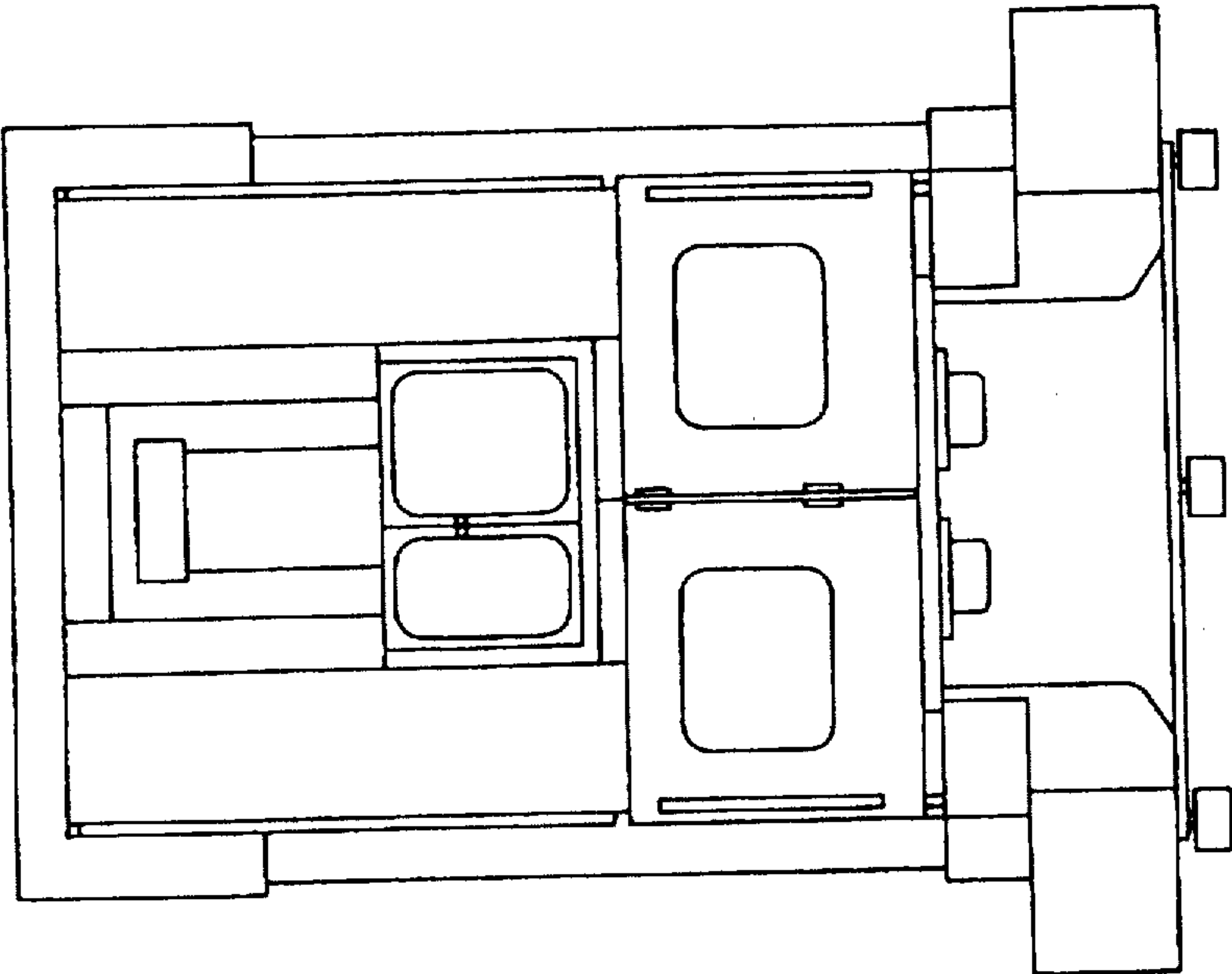


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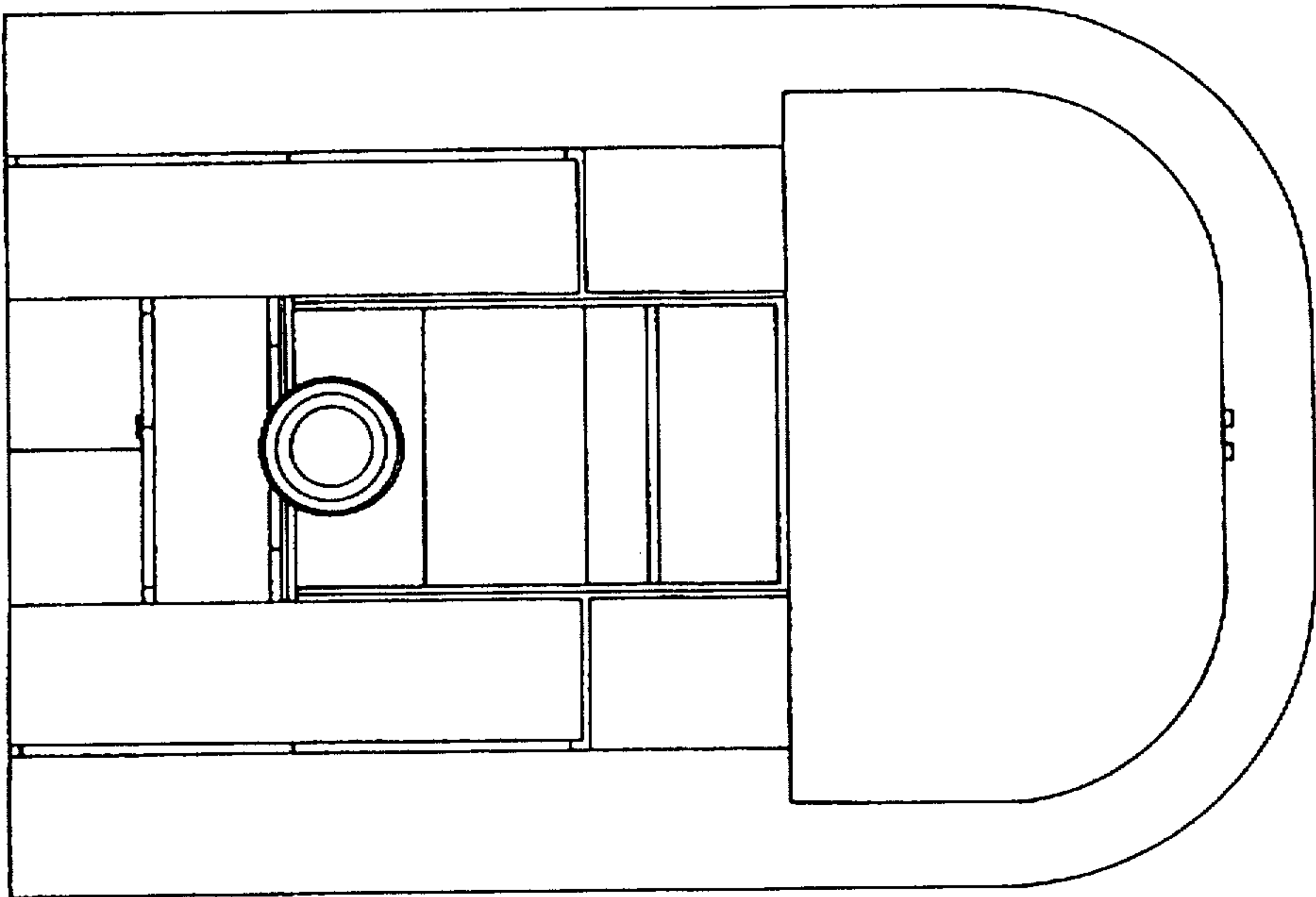


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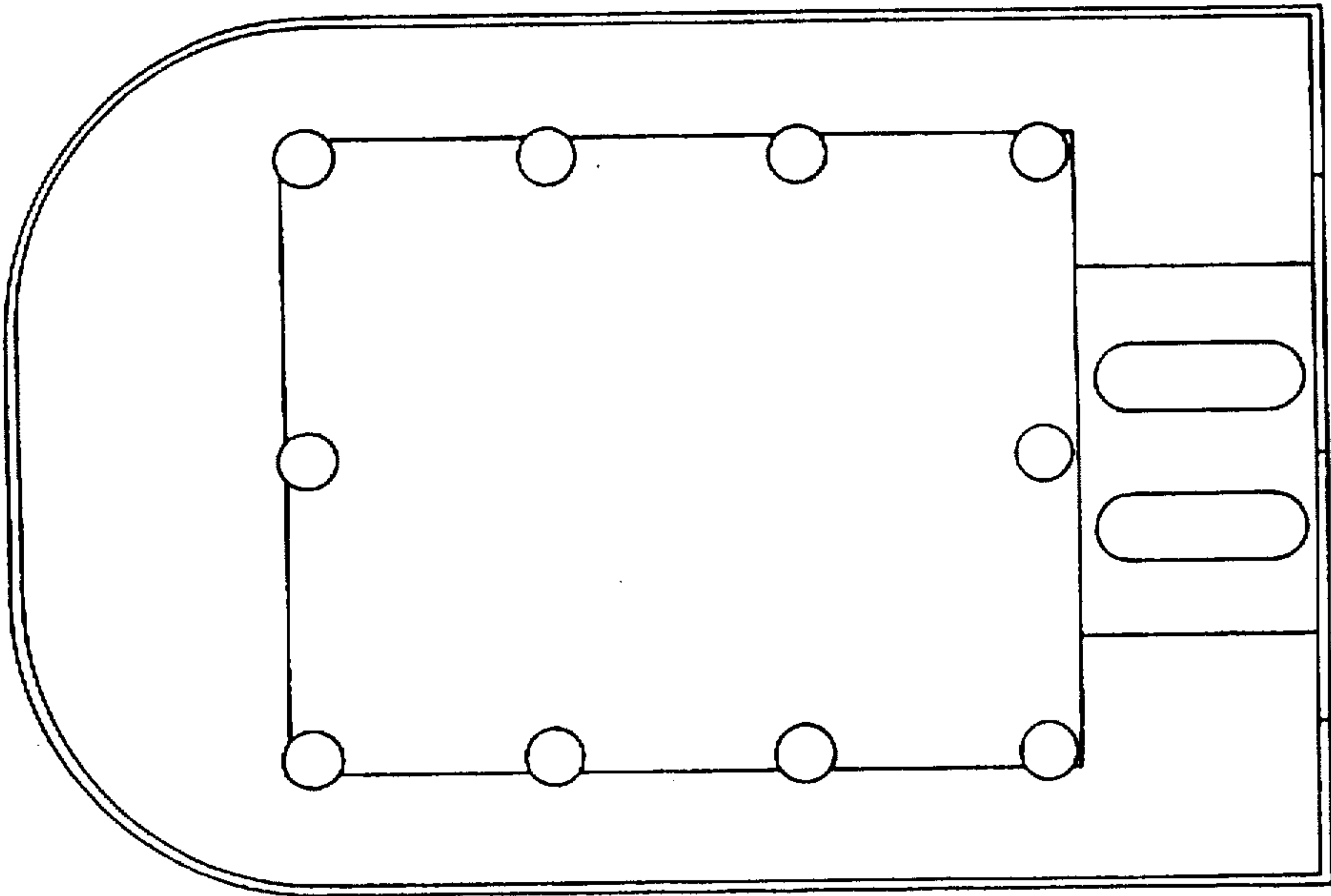


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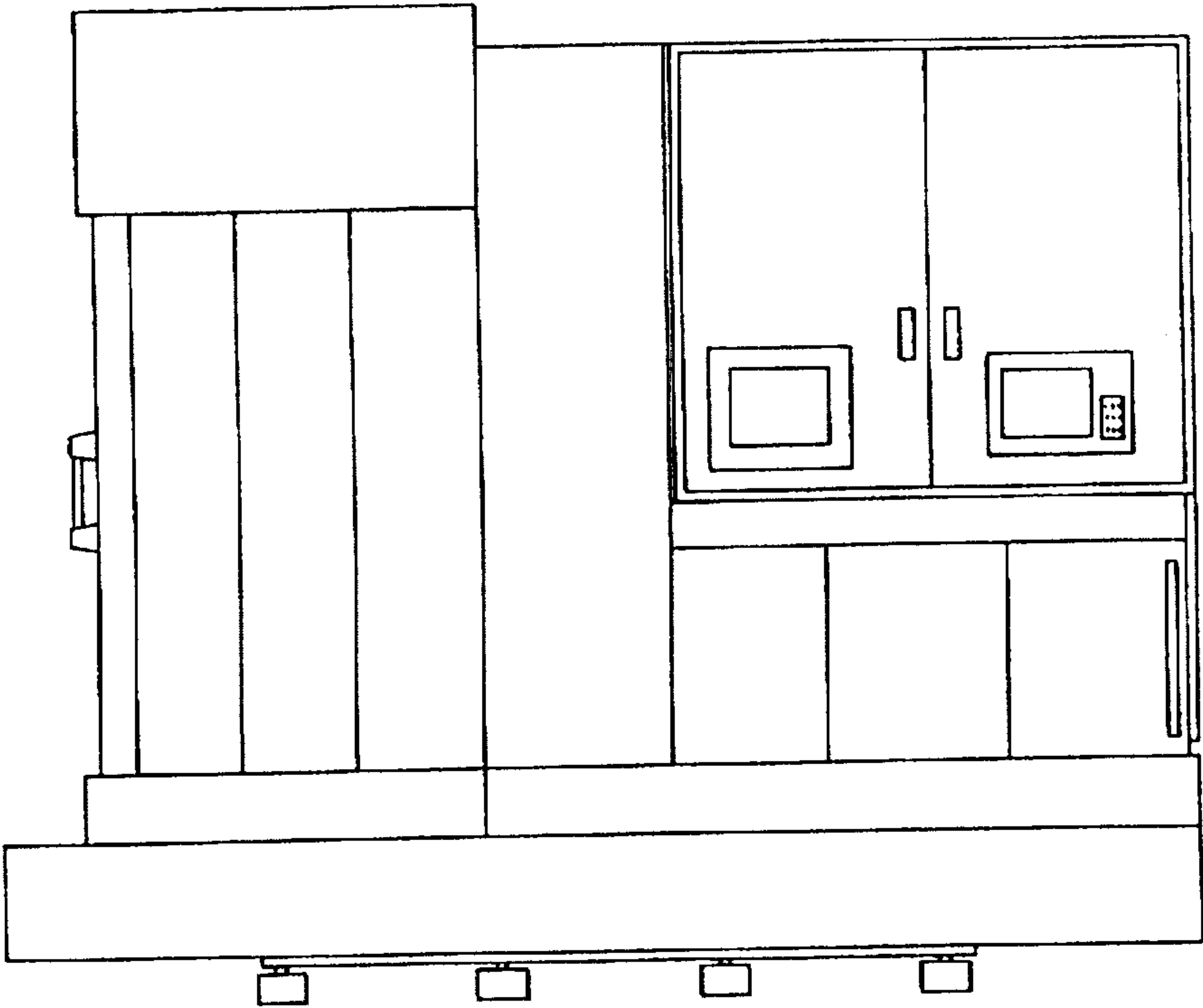


Fig. 112

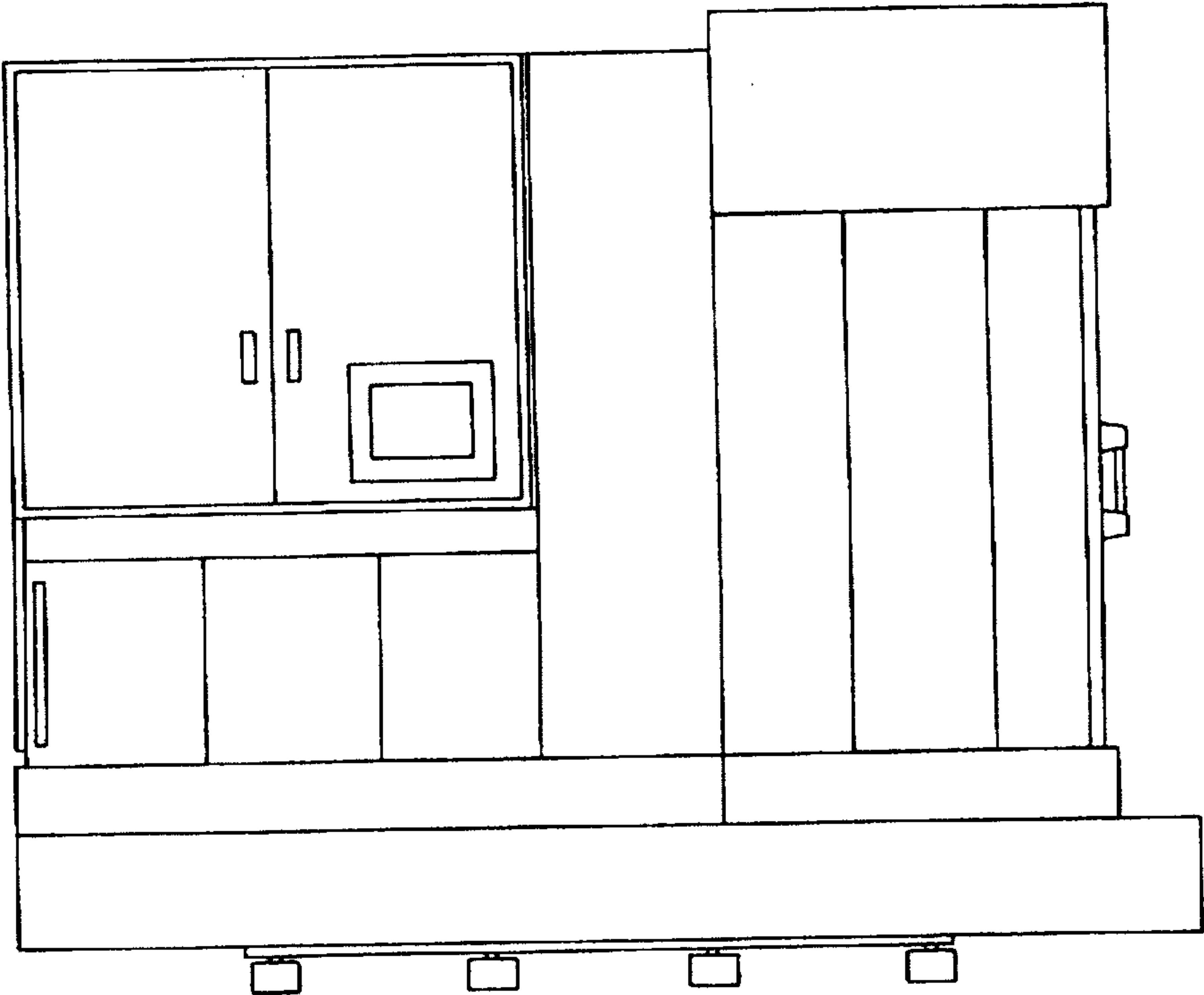


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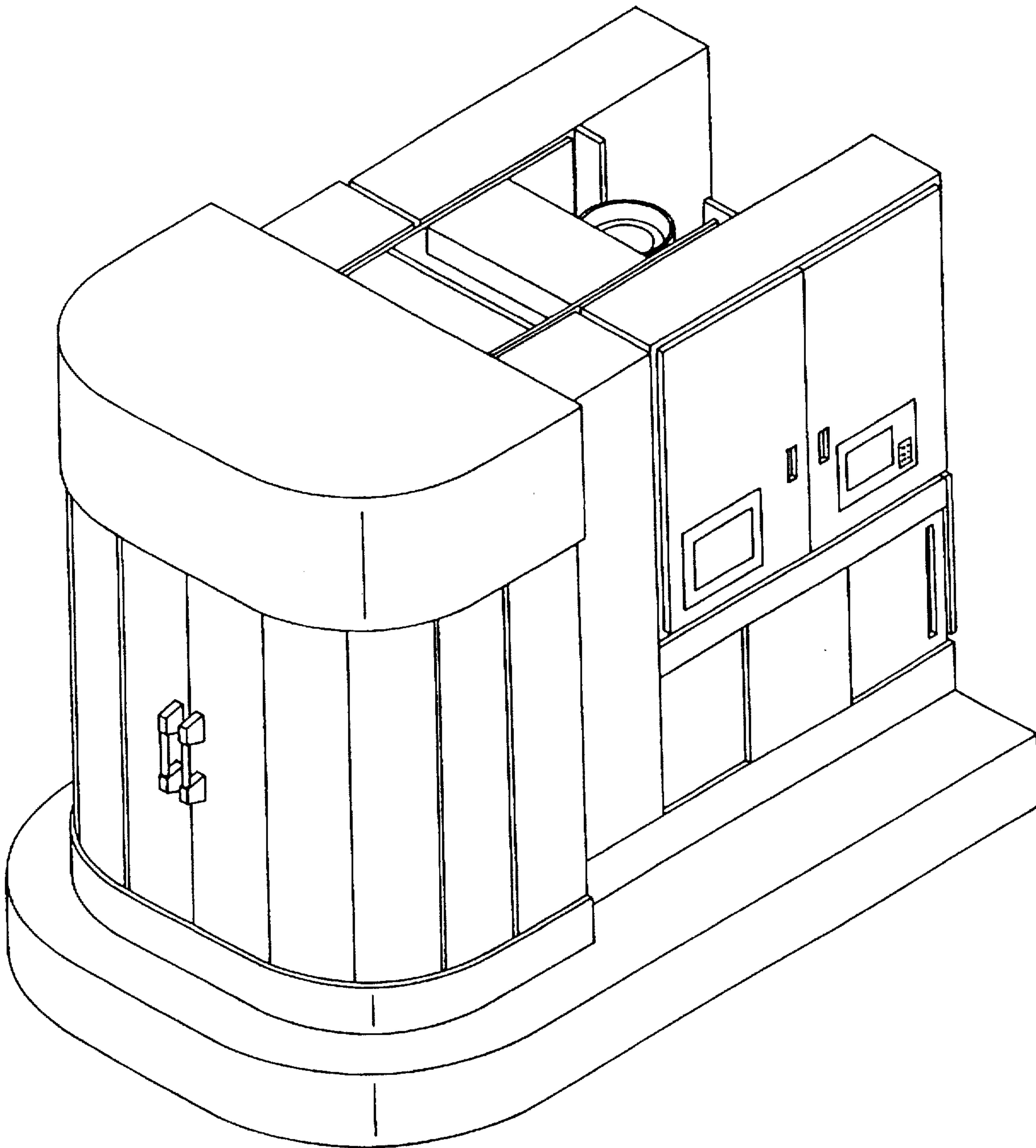


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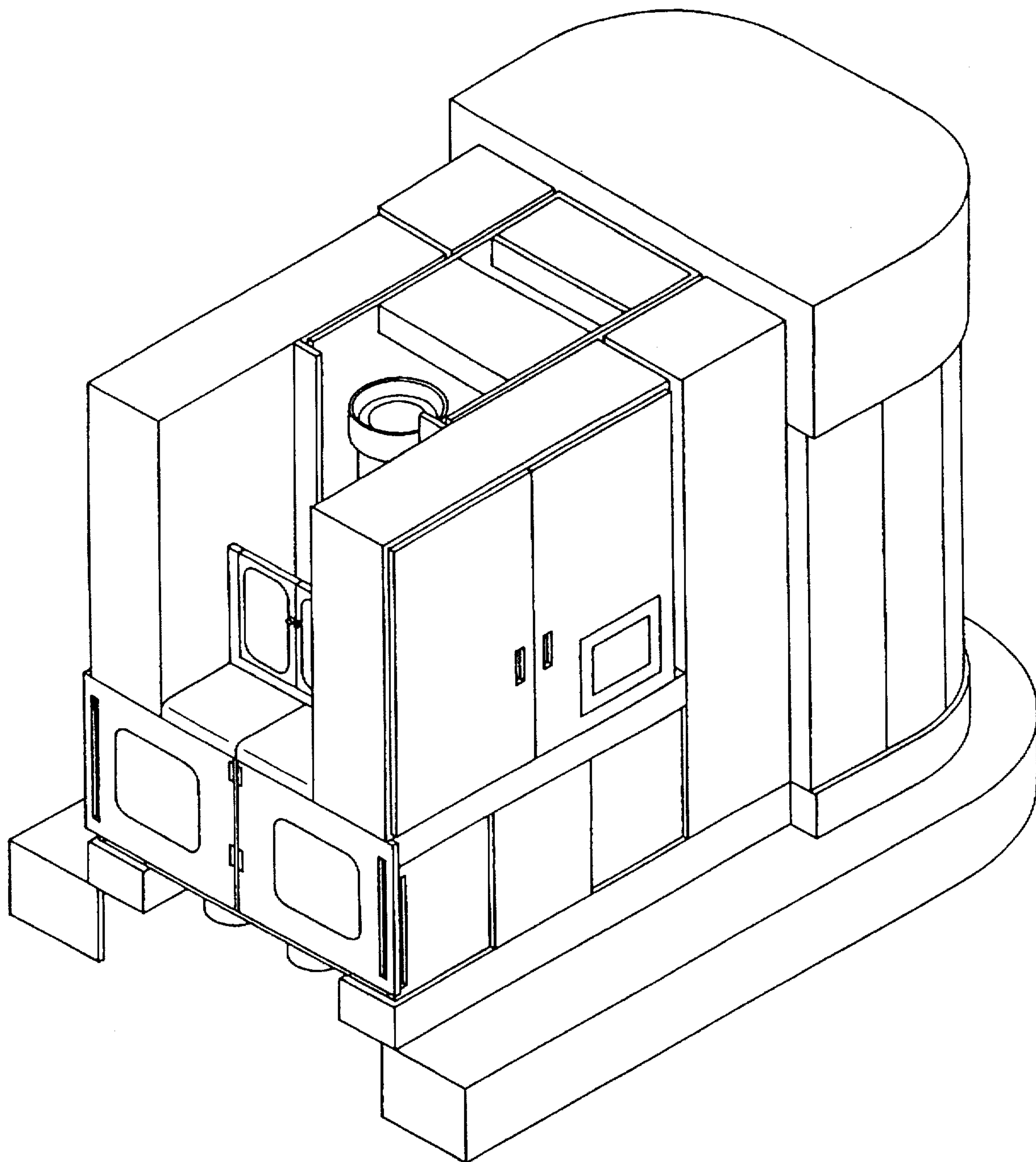


Fig. 115

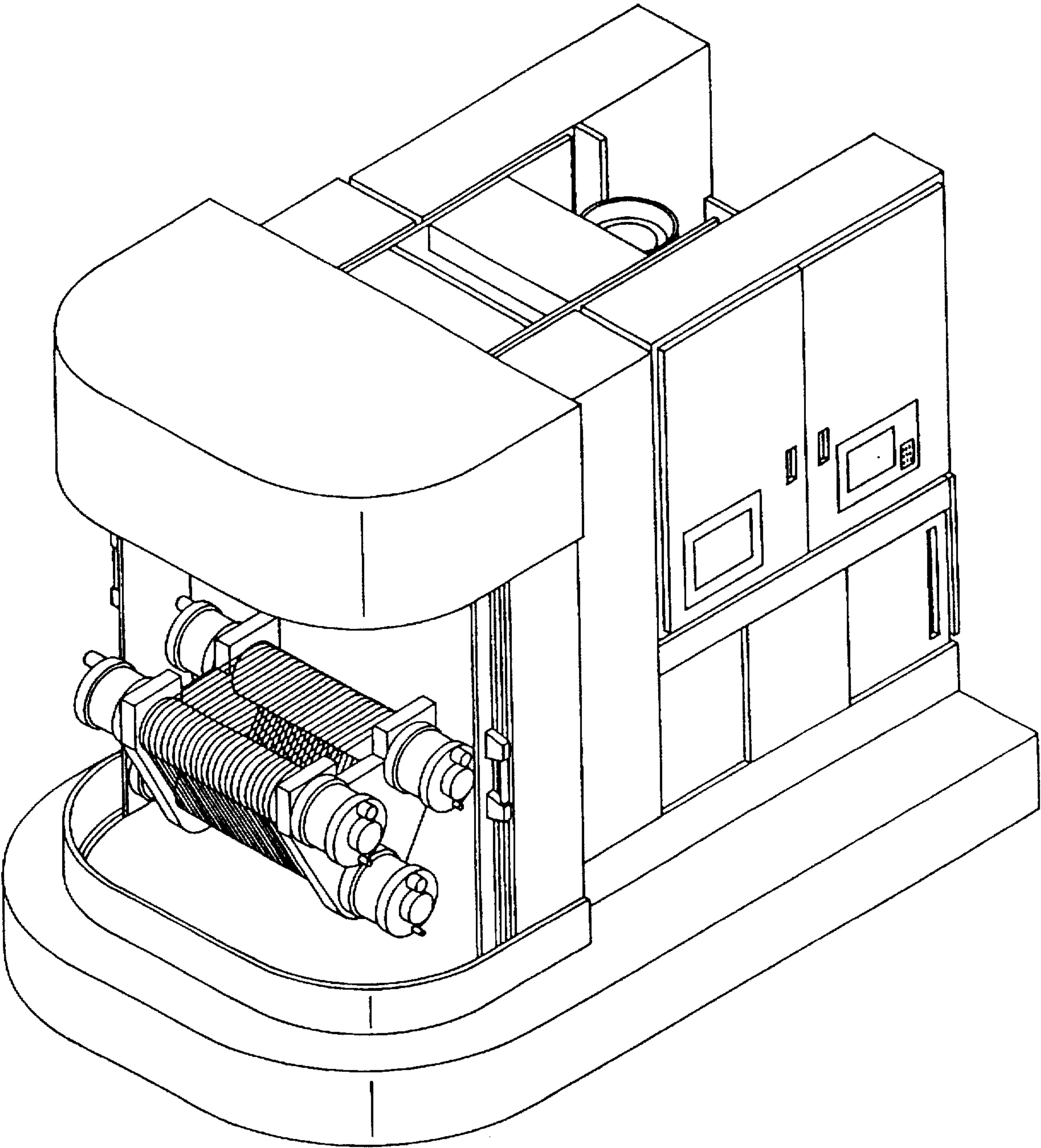


Fig. 116

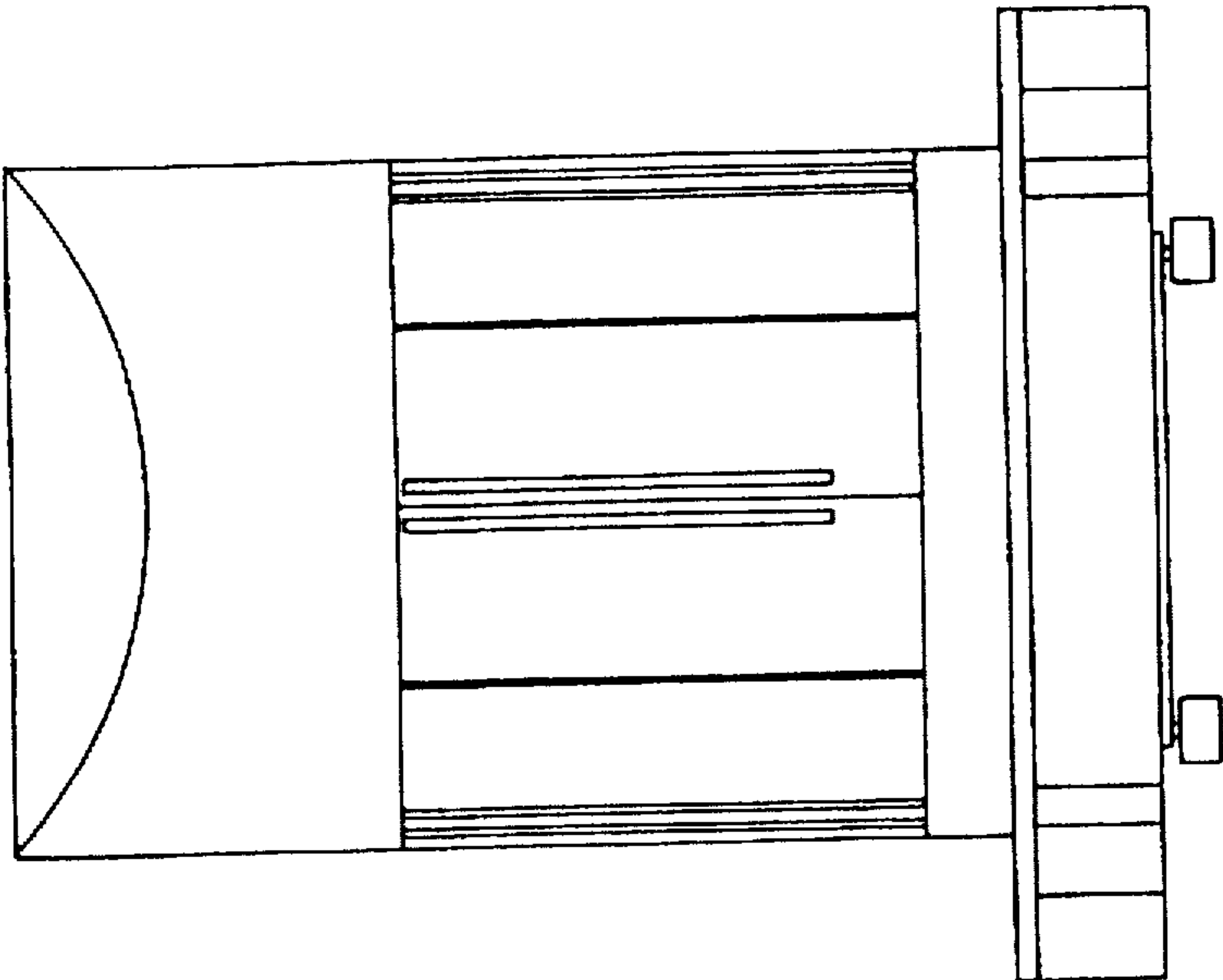


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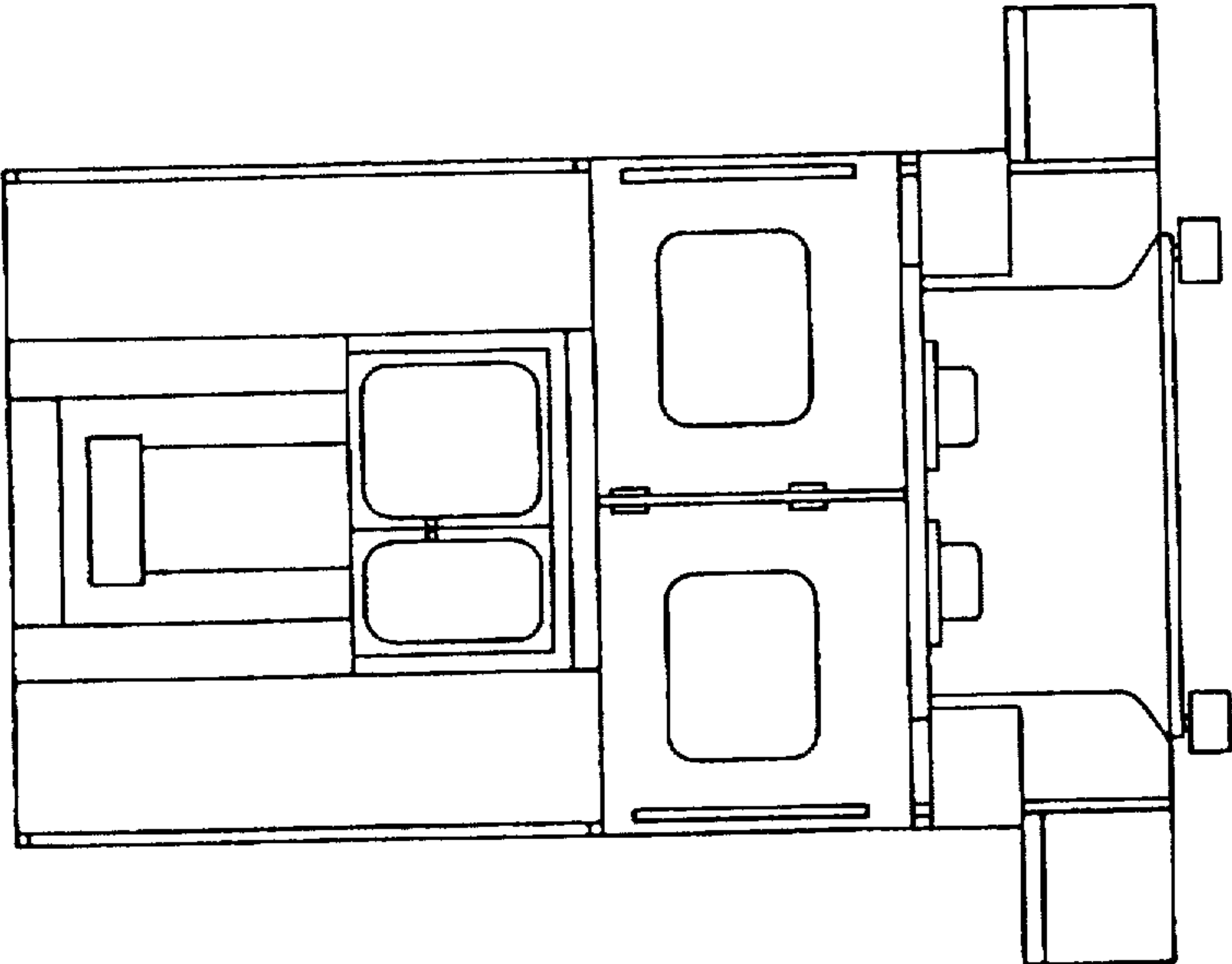


Fig. 118

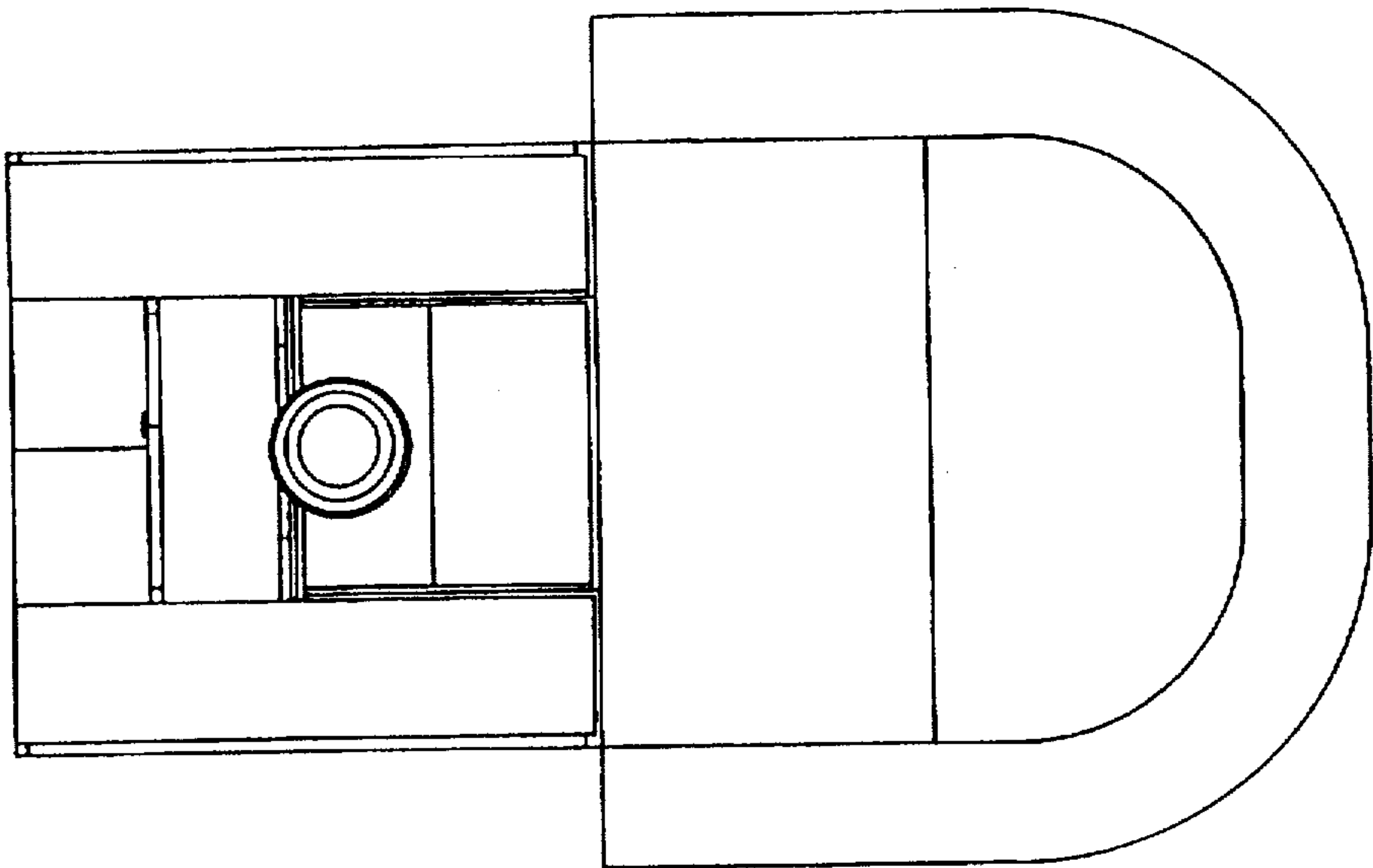


Fig. 119

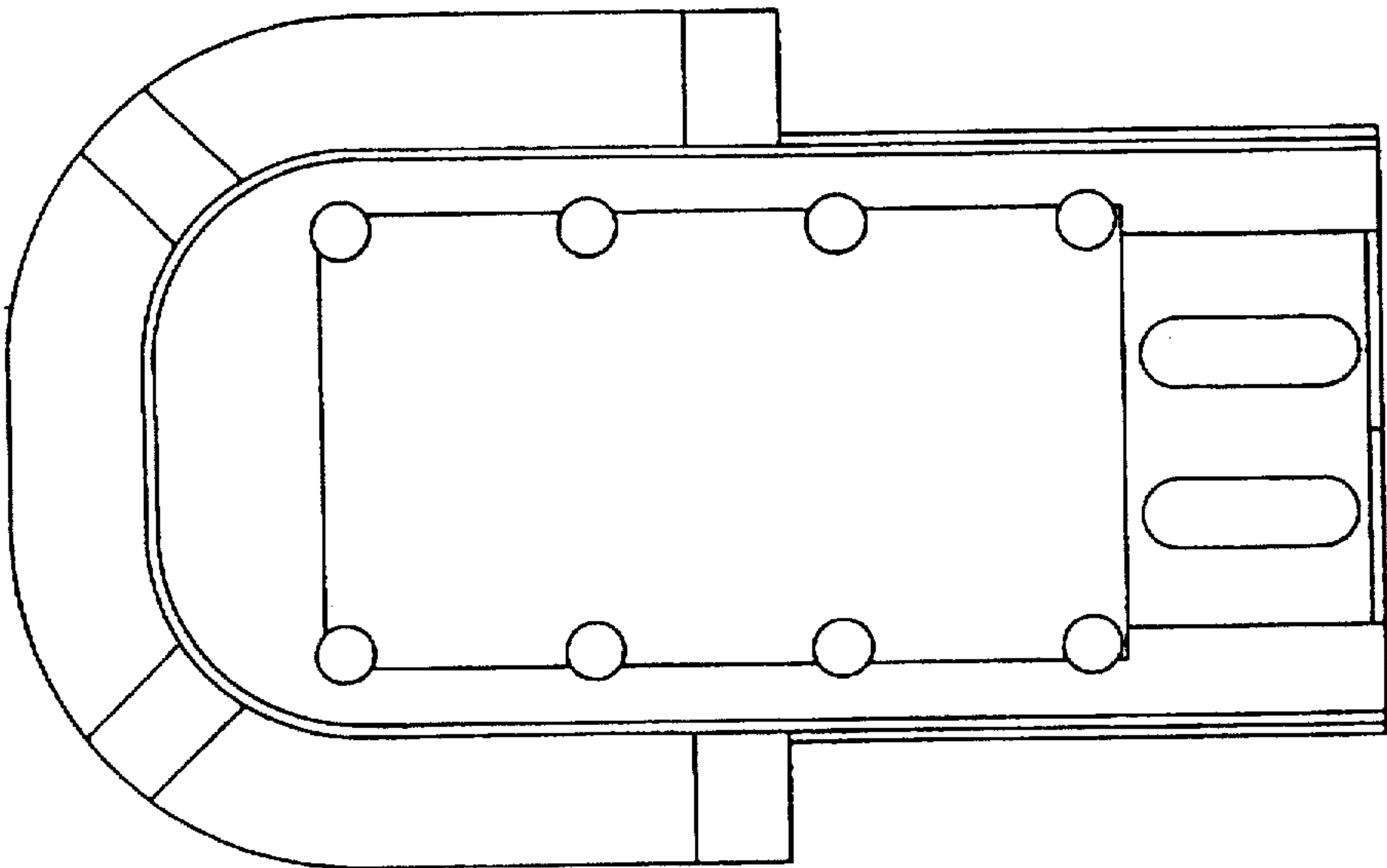


Fig. 120

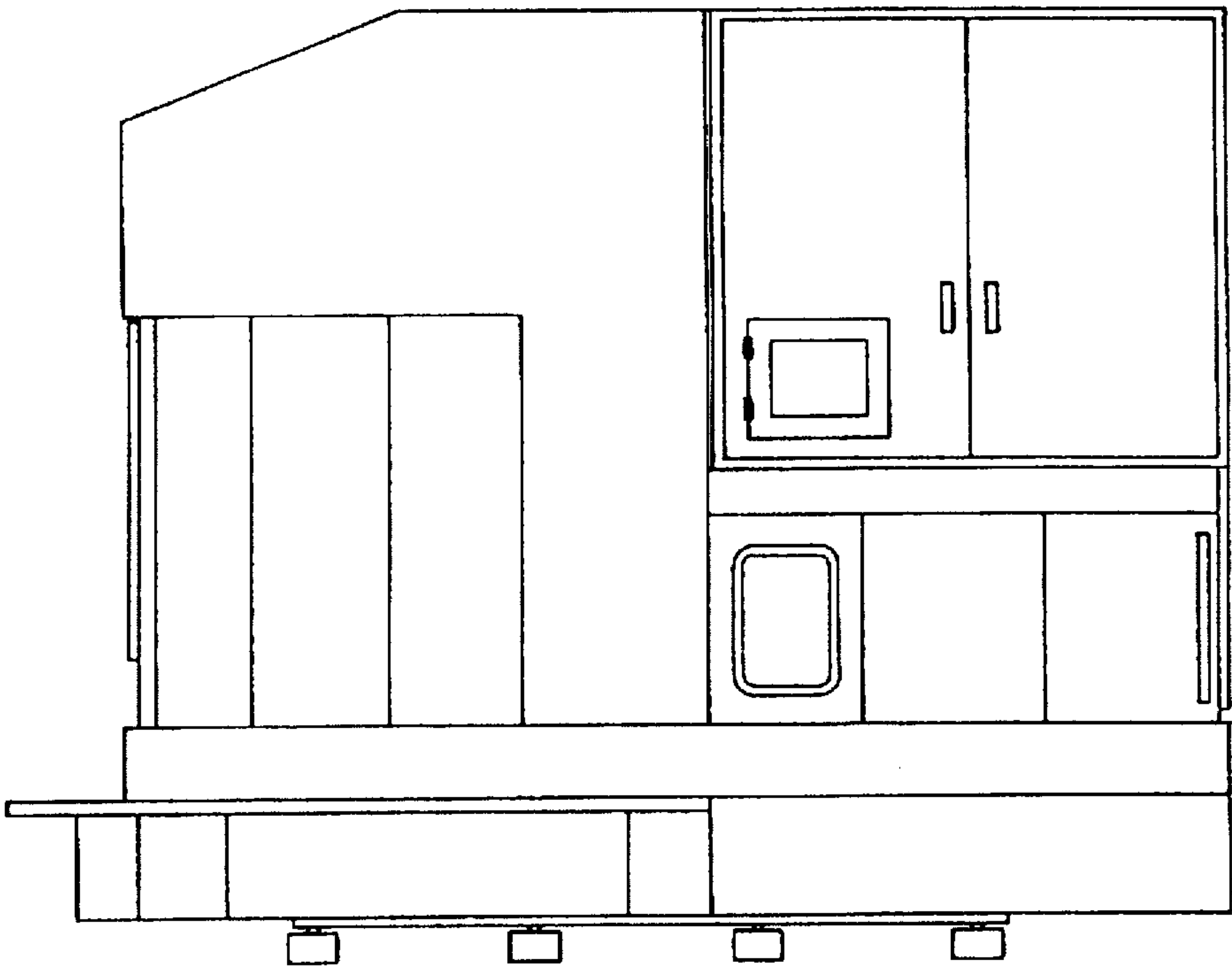


Fig. 121

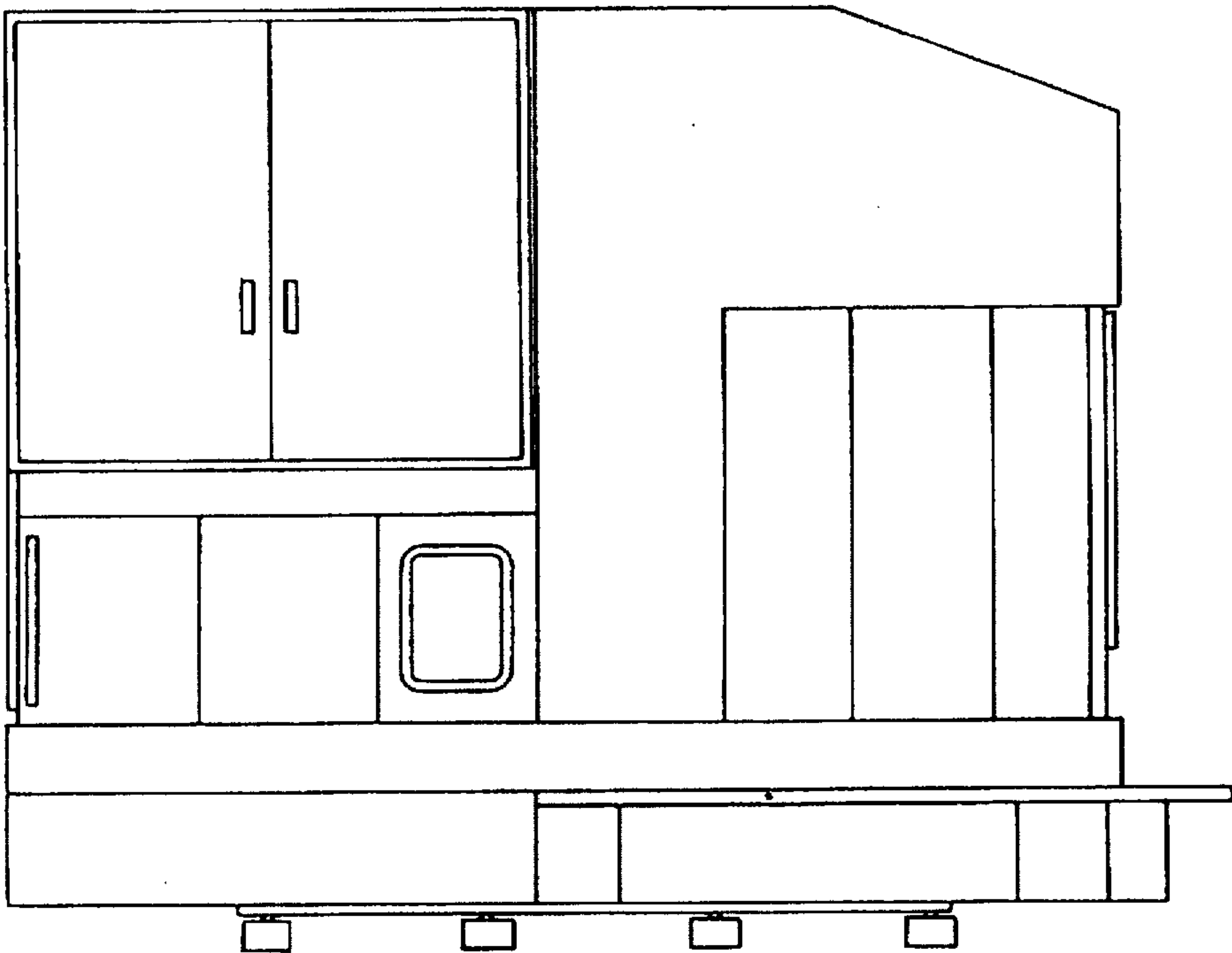


Fig. 122

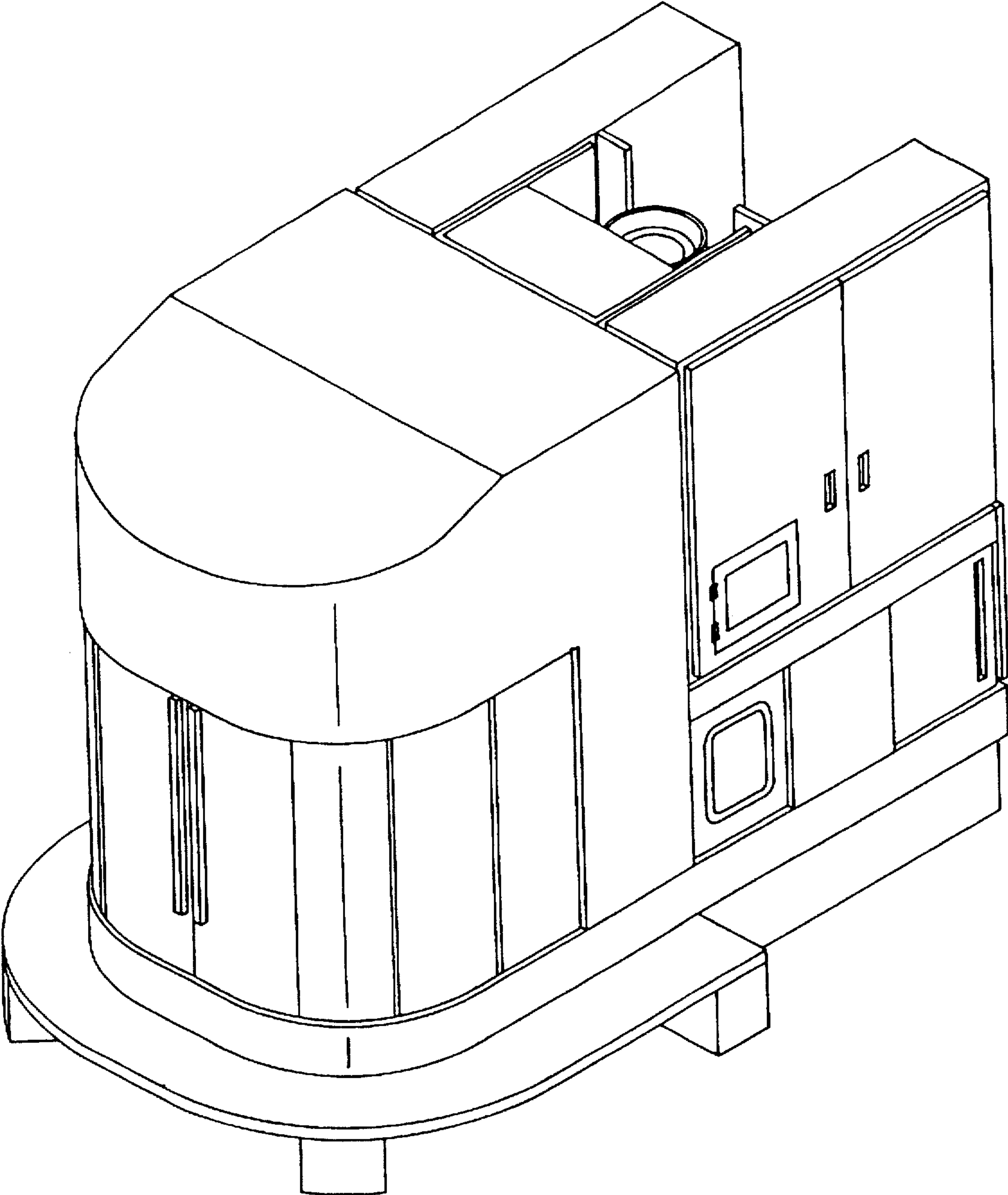


Fig. 123

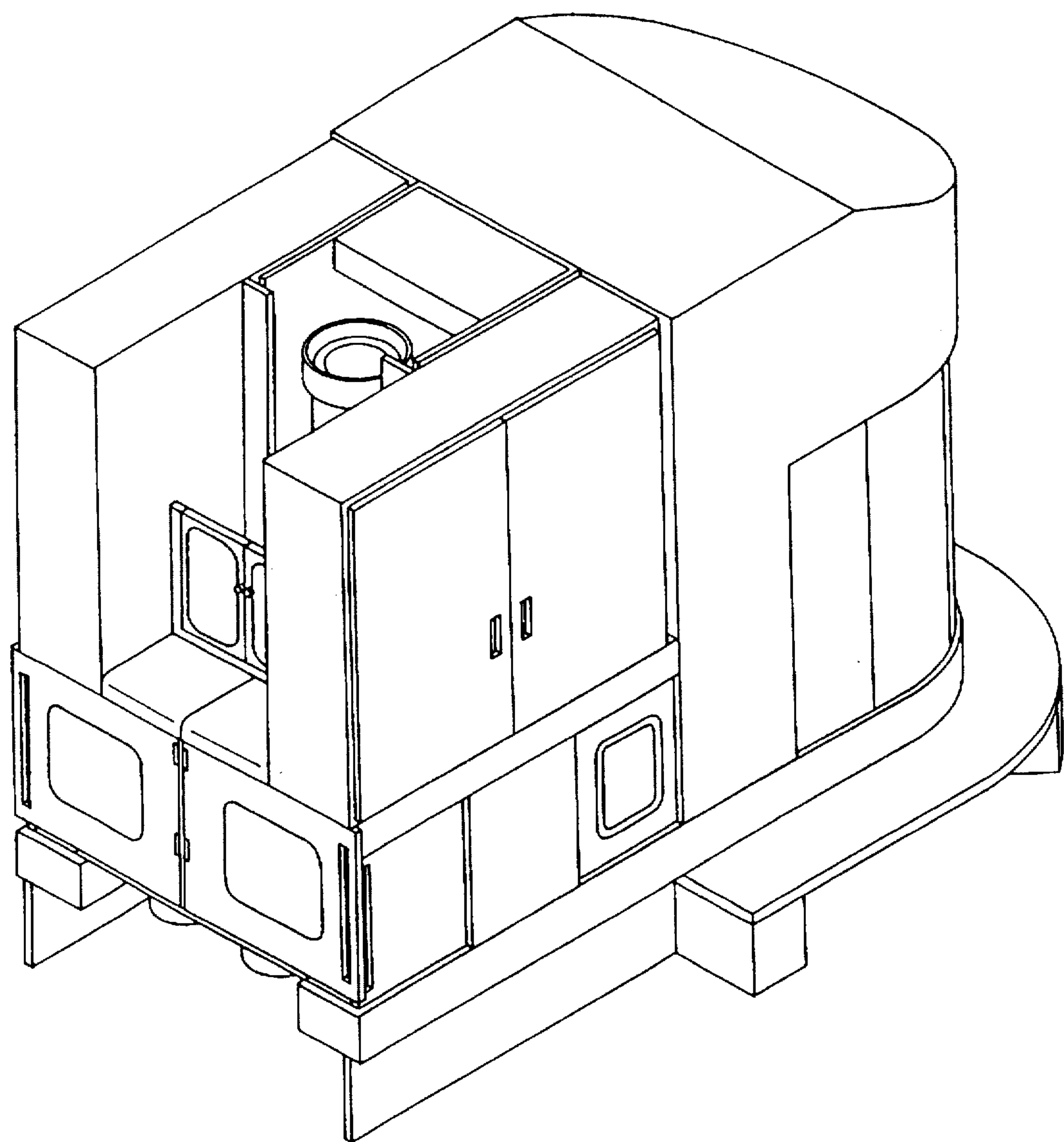


Fig. 124

