

[54] **AUTOMATIC STRAPPING MACHINE**

[75] **Inventor: Yasunori Sakaki, Tokyo, Japan**  
 [73] **Assignee: Strapack Corporation, Tokyo, Japan**  
 [\*\*] **Term: 14 Years**  
 [21] **Appl. No.: 122,429**  
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[30] **Foreign Application Priority Data**

May 27, 1987 [JP] Japan ..... 62-20659  
 [52] **U.S. Cl. .... D15/145**  
 [58] **Field of Search ..... D15/145; 53/589, 582;  
 156/361; 100/26, 33 PB**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 295,525	5/1988	Sakaki et al. ....	D15/145
1,801,739	4/1931	Gustafson .....	156/361 X
3,913,472	10/1975	Buck .....	100/26 X
3,996,719	12/1976	Dabrowski et al. ....	53/582 X
4,011,808	3/1977	Aoki et al. ....	100/26
4,137,788	2/1979	Fischer .....	100/26 X
4,383,881	5/1983	Sakaki .....	156/361
4,661,185	4/1987	Kobiella .....	53/589
4,776,905	10/1988	Cheung et al. ....	53/589

**FOREIGN PATENT DOCUMENTS**

1108607 6/1961 Fed. Rep. of Germany .... 53/198 R  
 1297538 6/1969 Fed. Rep. of Germany .... 53/198 R  
 2225298 5/1972 Fed. Rep. of Germany ..... 53/589  
 7407687 12/1975 Netherlands ..... 53/589

**OTHER PUBLICATIONS**

FMC Corporation Semi Automatic Strapping Machine  
 Brochure, Aug. 1, 1975.

*Primary Examiner*—Carmen H. Vales-Lado  
*Assistant Examiner*—Jeffrey Asch  
*Attorney, Agent, or Firm*—Burns, Doane, Swecker &  
 Mathis

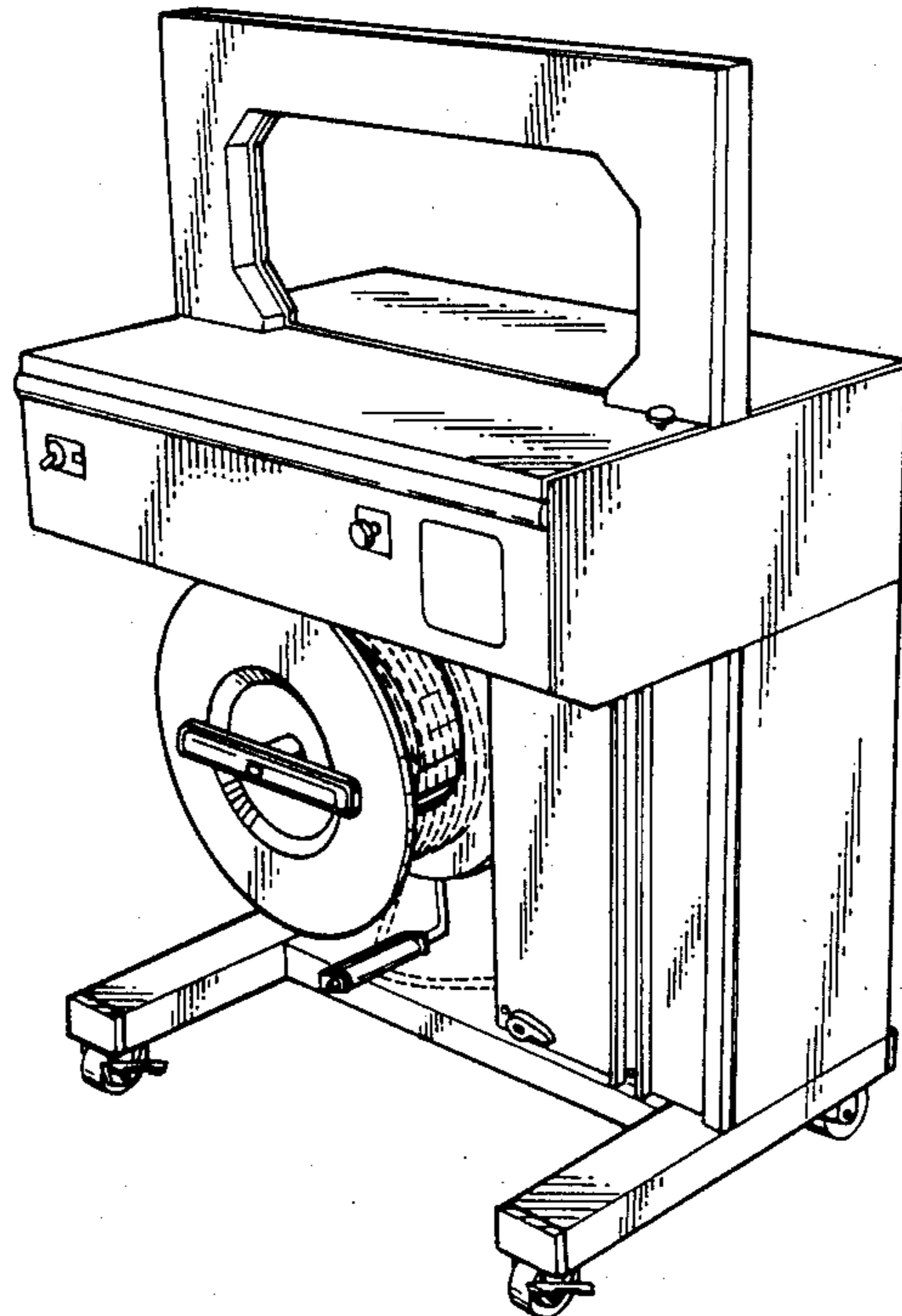
[57] **CLAIM**

The ornamental design for an automatic strapping machine, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an automatic strapping machine showing my new design; FIG. 2 is a left-side elevational view; FIG. 3 is a right-side elevational view; FIG. 4 is a front elevational view; FIG. 5 is a rear elevational view; FIG. 6 is a top plan view; and FIG. 7 is a bottom plan view thereof.

The strapping material shown in broken lines in FIG. 1 is for illustrative purposes only and forms no part of the claimed invention.



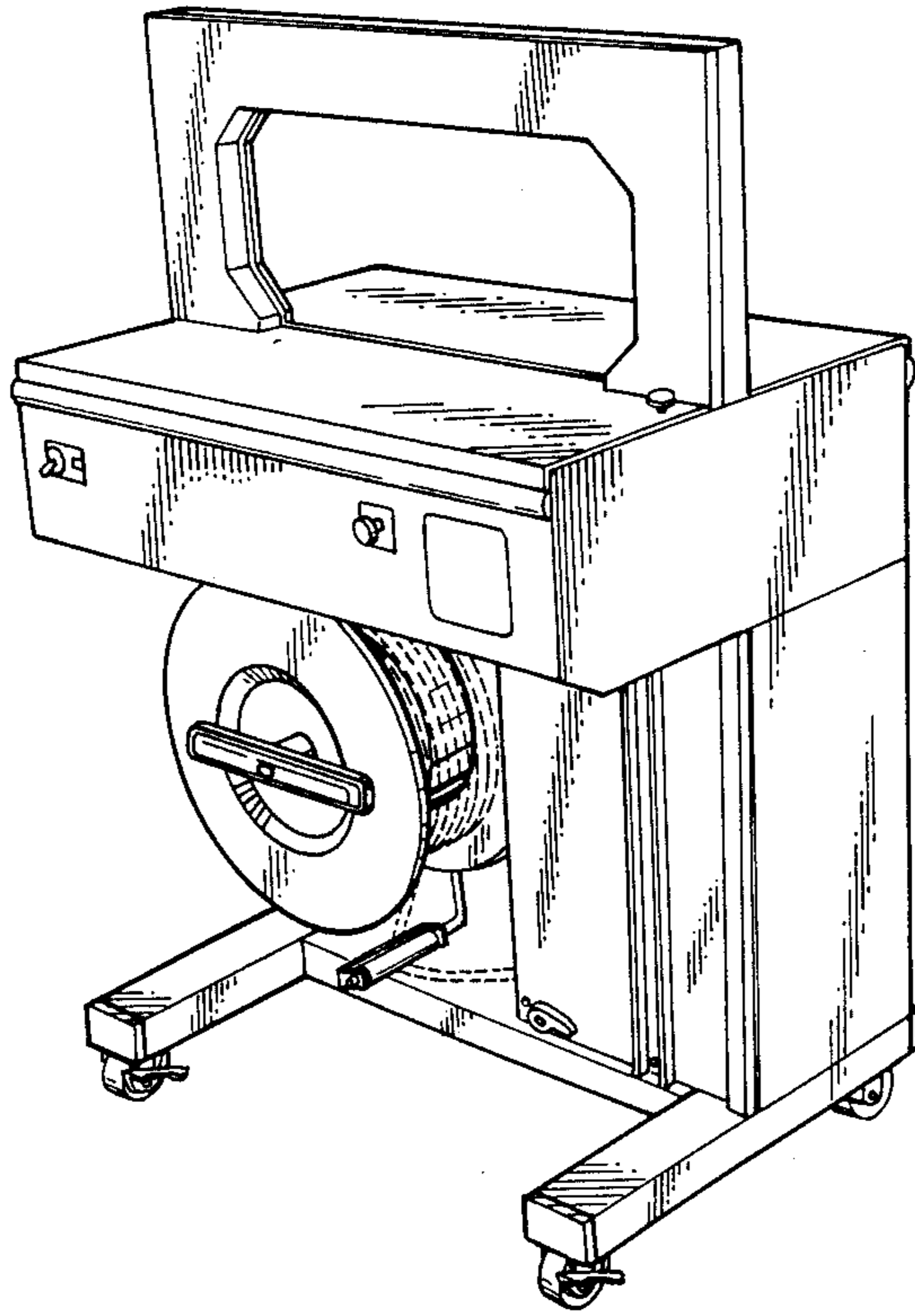


FIG. 1

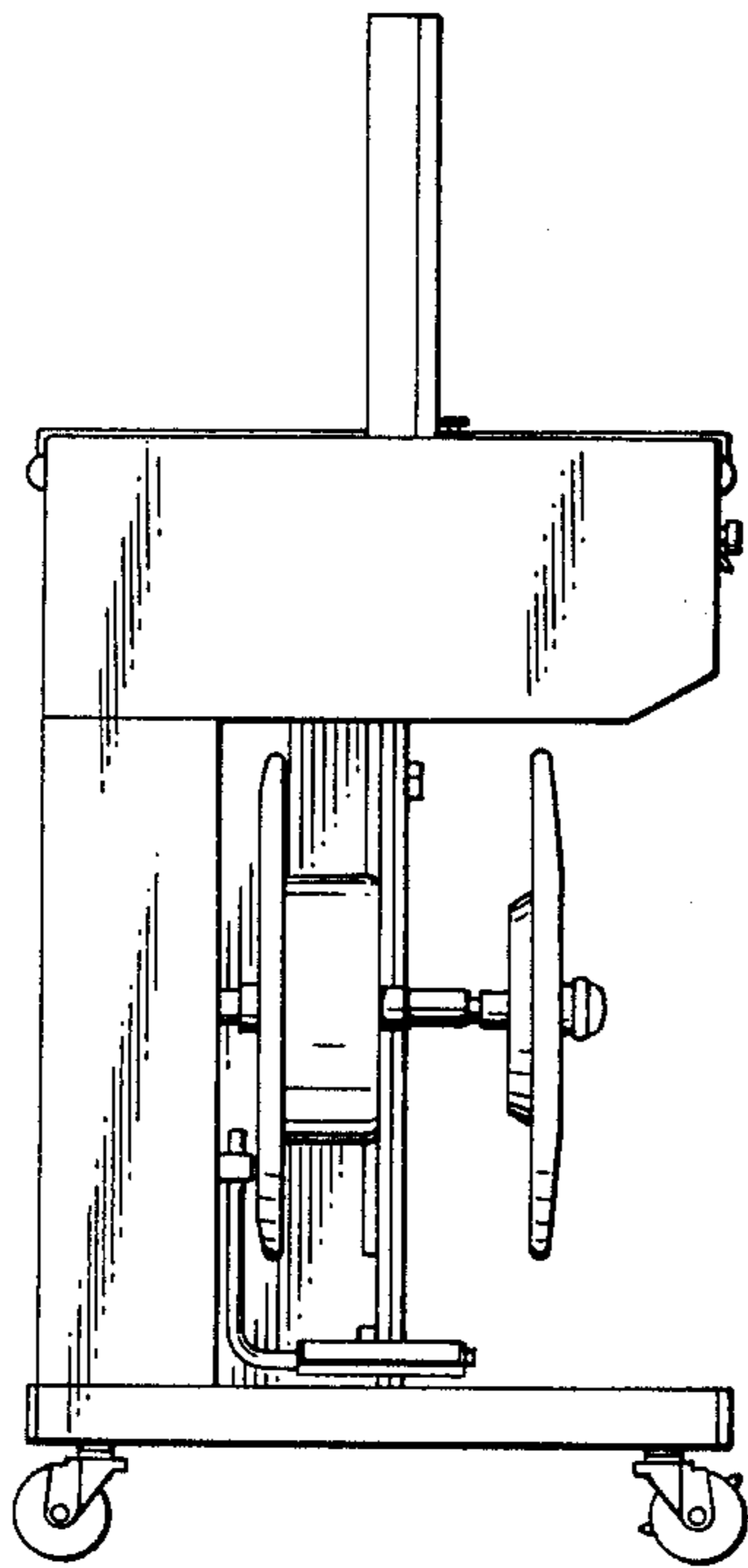


FIG. 2

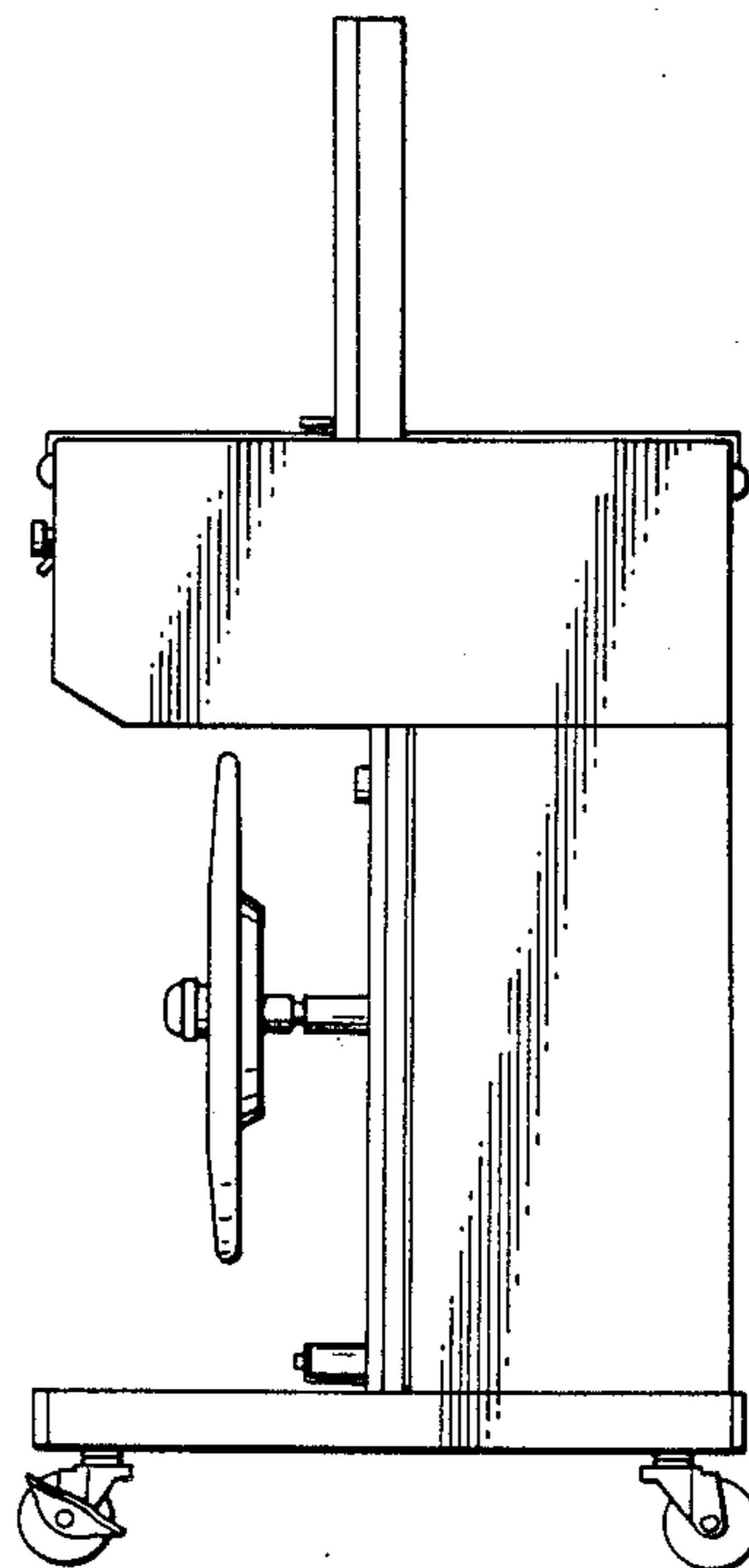


FIG. 3

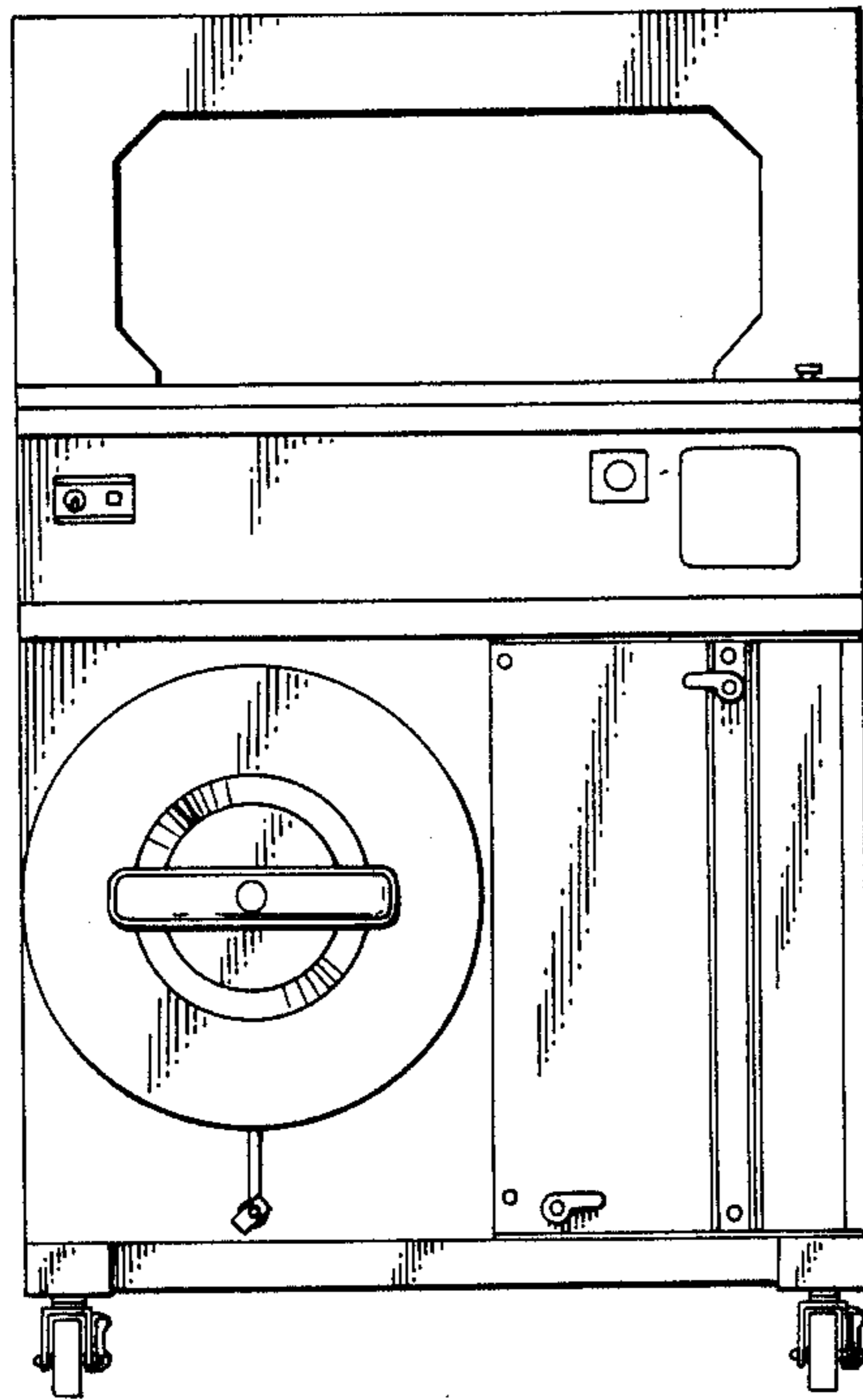


FIG. 4

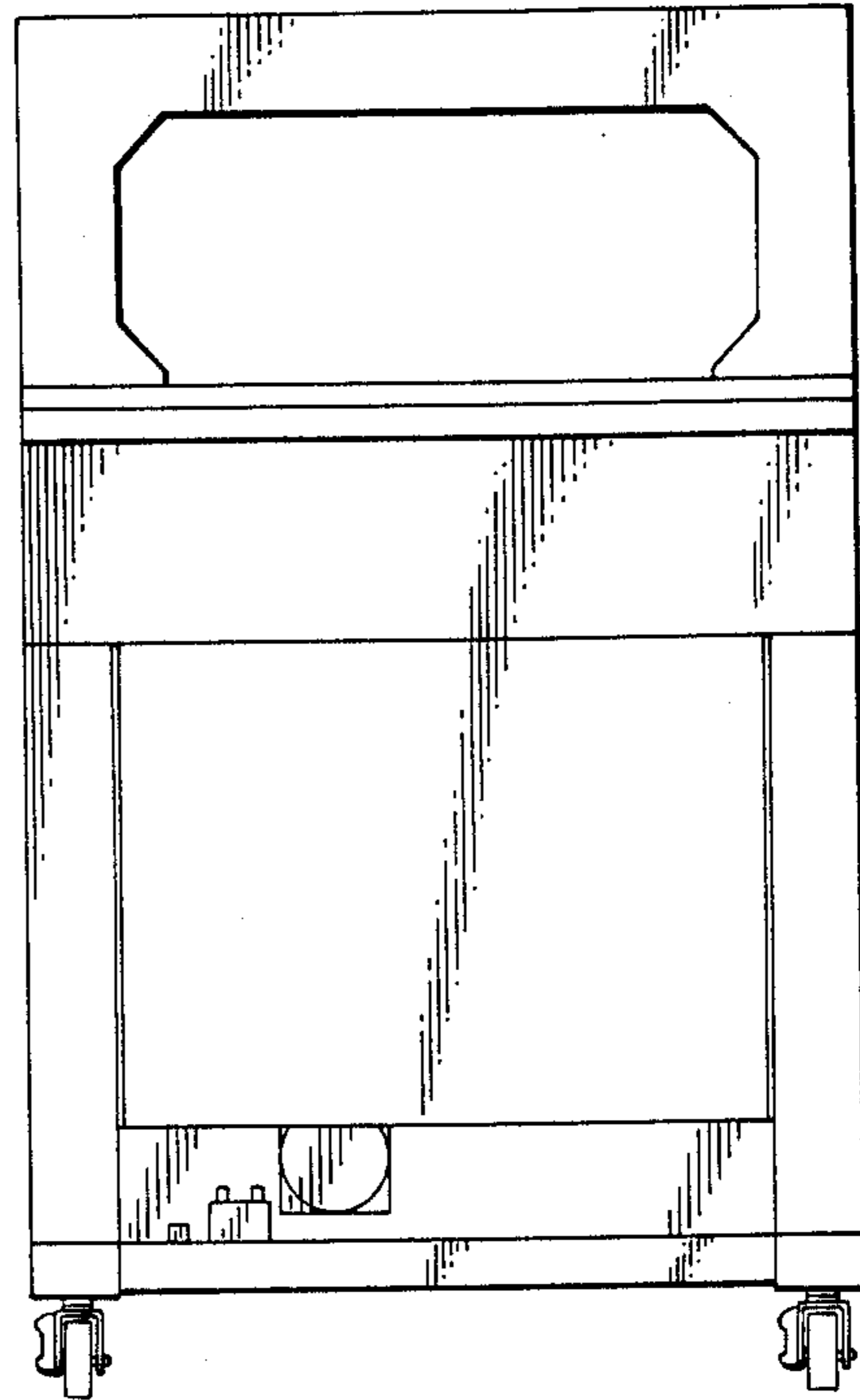


FIG. 5

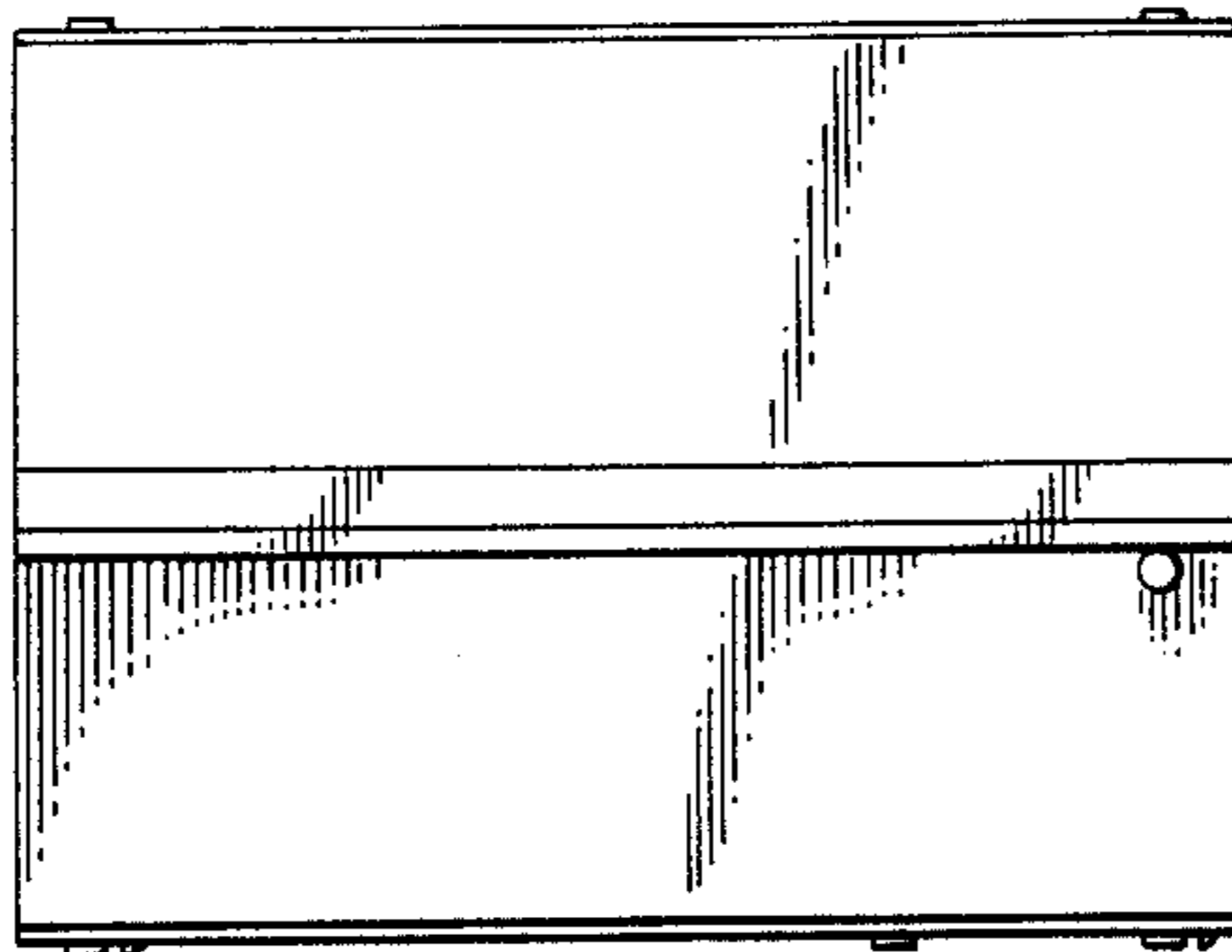


FIG. 6

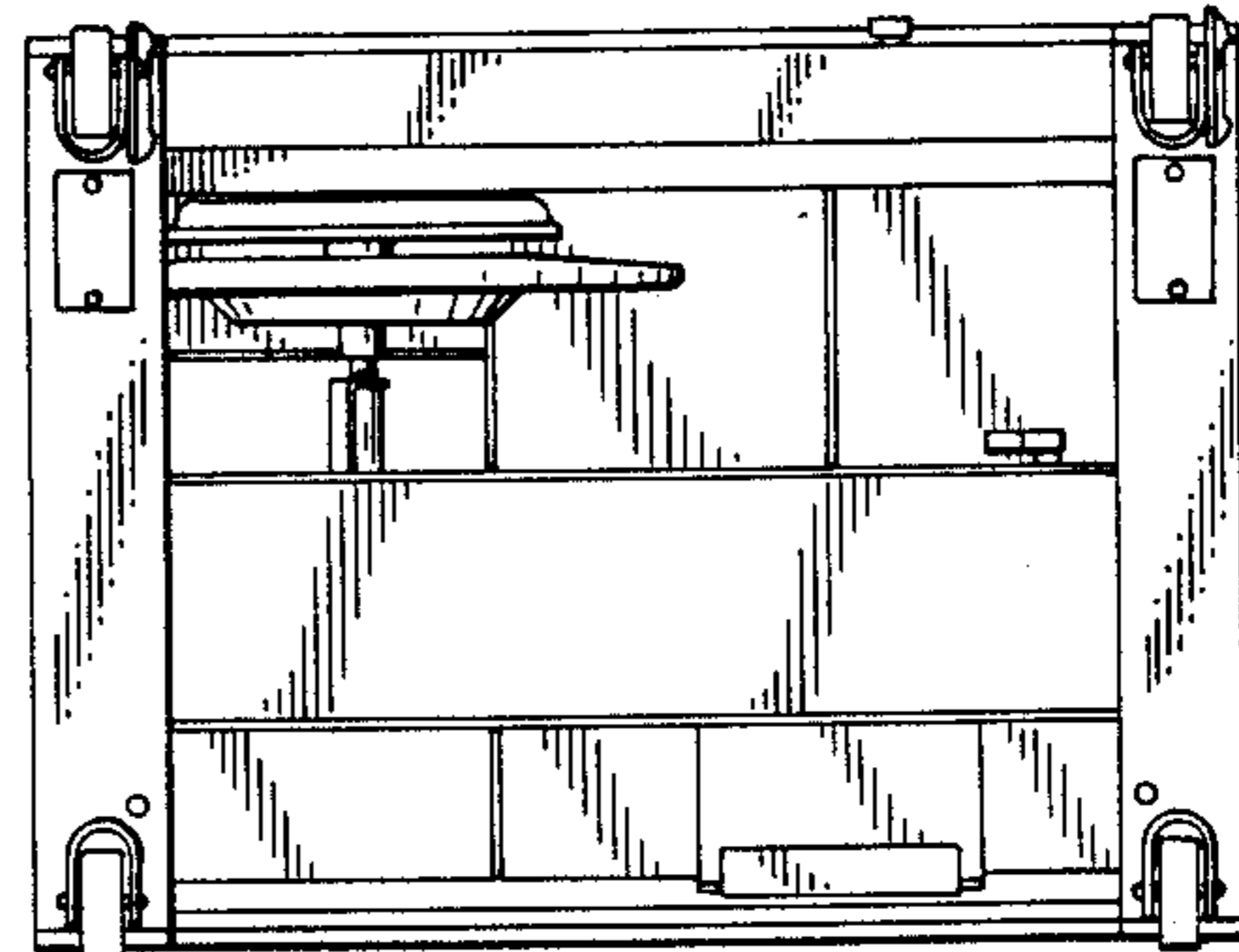


FIG. 7