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(12) **United States Design Patent**  
**Park**

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(54) **DIRECT DRIVE STRUCTURE OF DRUM WASHING MACHINE**

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(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

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

(21) Appl. No.: **29/212,725**

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(30) **Foreign Application Priority Data**

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(51) **LOC (8) Cl.** ..... **15-05**

(52) **U.S. Cl.** ..... **D32/29**

(58) **Field of Classification Search** ..... 68/3 R, 68/4, 5, 12.01, 12.08, 212; 34/58, 109, 130-132, 34/417, 499, 523, 534, 600, 603; D32/1, D32/5, 6, 10, 25, 28, 58, 29; 312/31; 38/1 A  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,899,204 A \* 8/1975 Ulrich ..... 292/336.3  
4,430,809 A \* 2/1984 Jackson et al. .... 34/601

5,678,430 A \* 10/1997 Merlin et al. .... 68/24  
6,622,531 B1 \* 9/2003 Ren et al. .... 68/140  
6,671,978 B1 \* 1/2004 McGowan et al. .... 34/596  
6,966,124 B1 \* 11/2005 Ryu ..... 34/134  
6,968,632 B1 \* 11/2005 Guinibert et al. .... 34/602  
2006/0005585 A1 \* 1/2006 Lee et al. .... 68/142

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a direct drive structure of drum washing machine, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, left perspective view of the direct drive structure of drum washing machine showing my new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left side view thereof, the right side view being a mirror image thereof; FIG. 5 is a top view thereof; FIG. 6 is a bottom view thereof; and, FIG. 7 is a sectional view of FIG. 2.

**1 Claim, 7 Drawing Sheets**

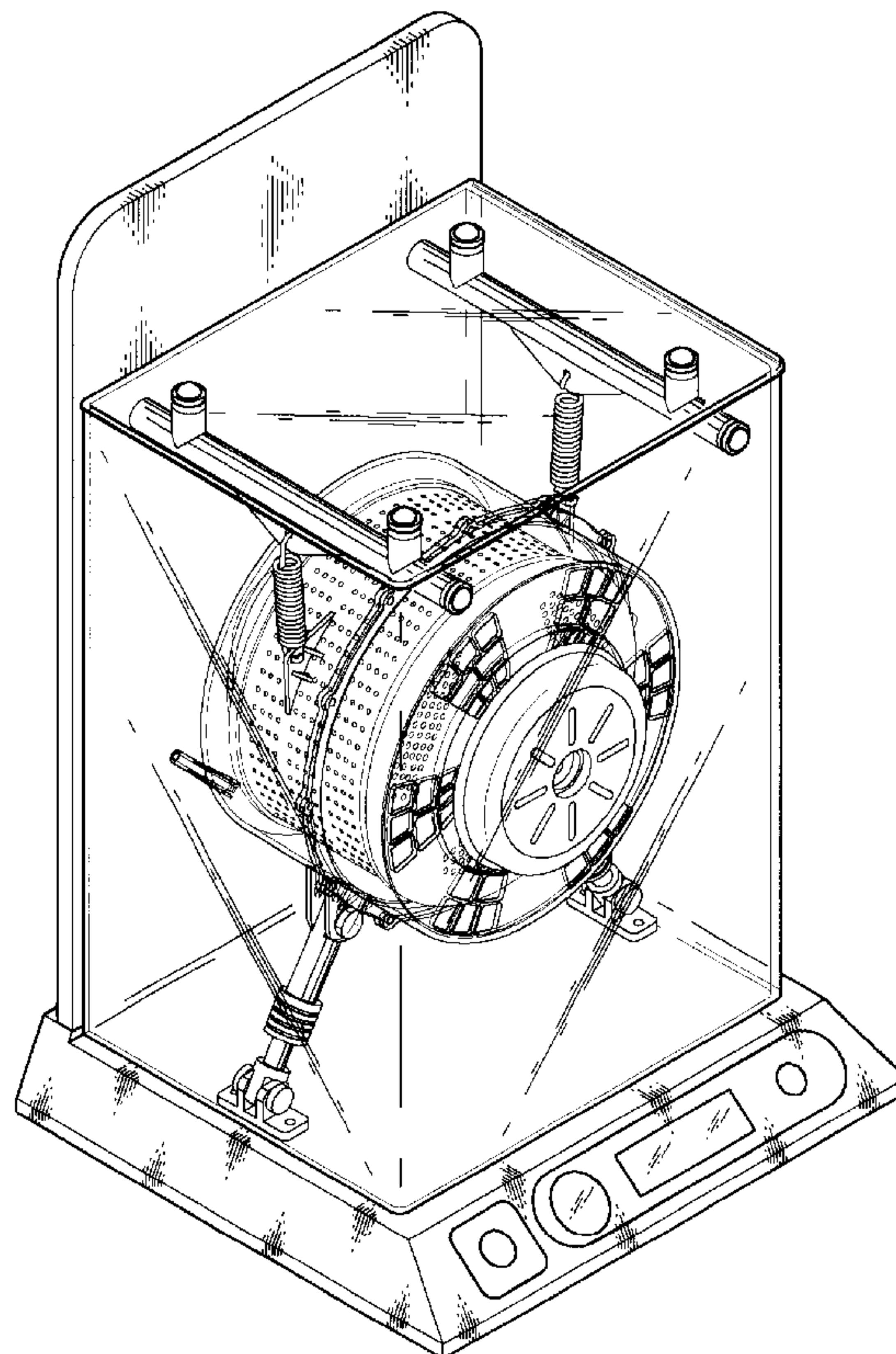


FIG. 1

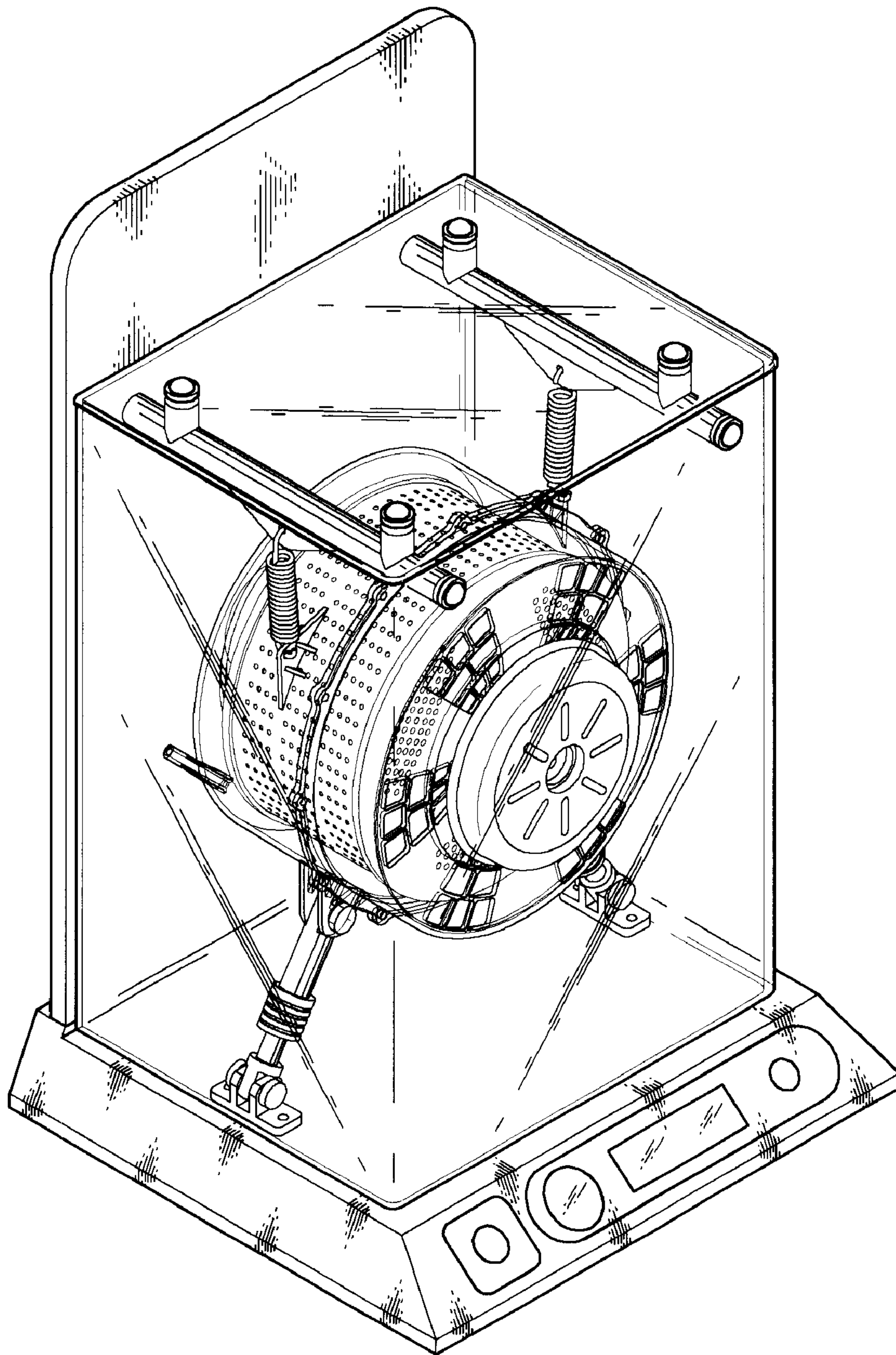
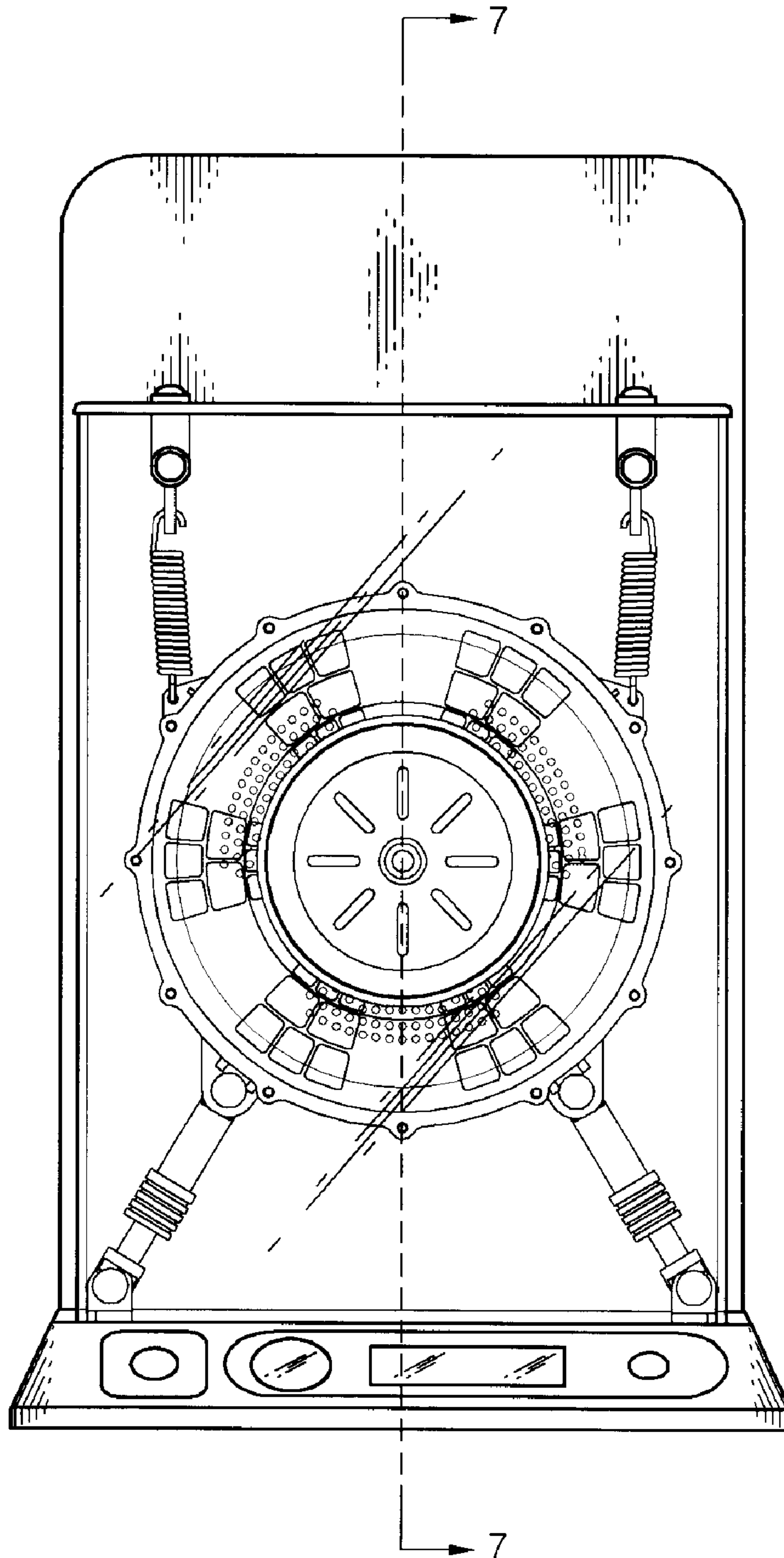


FIG. 2





**FIG. 3**

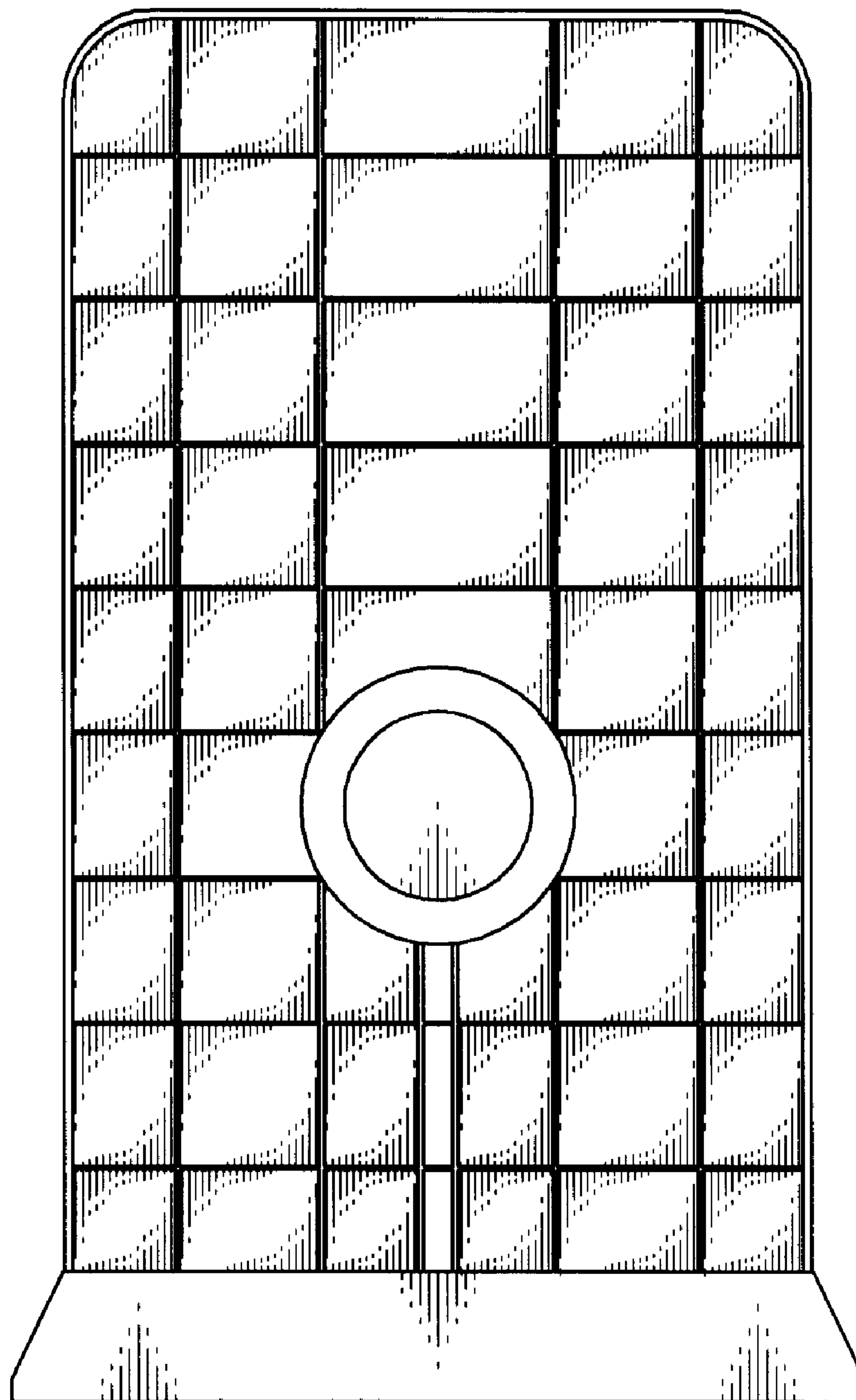
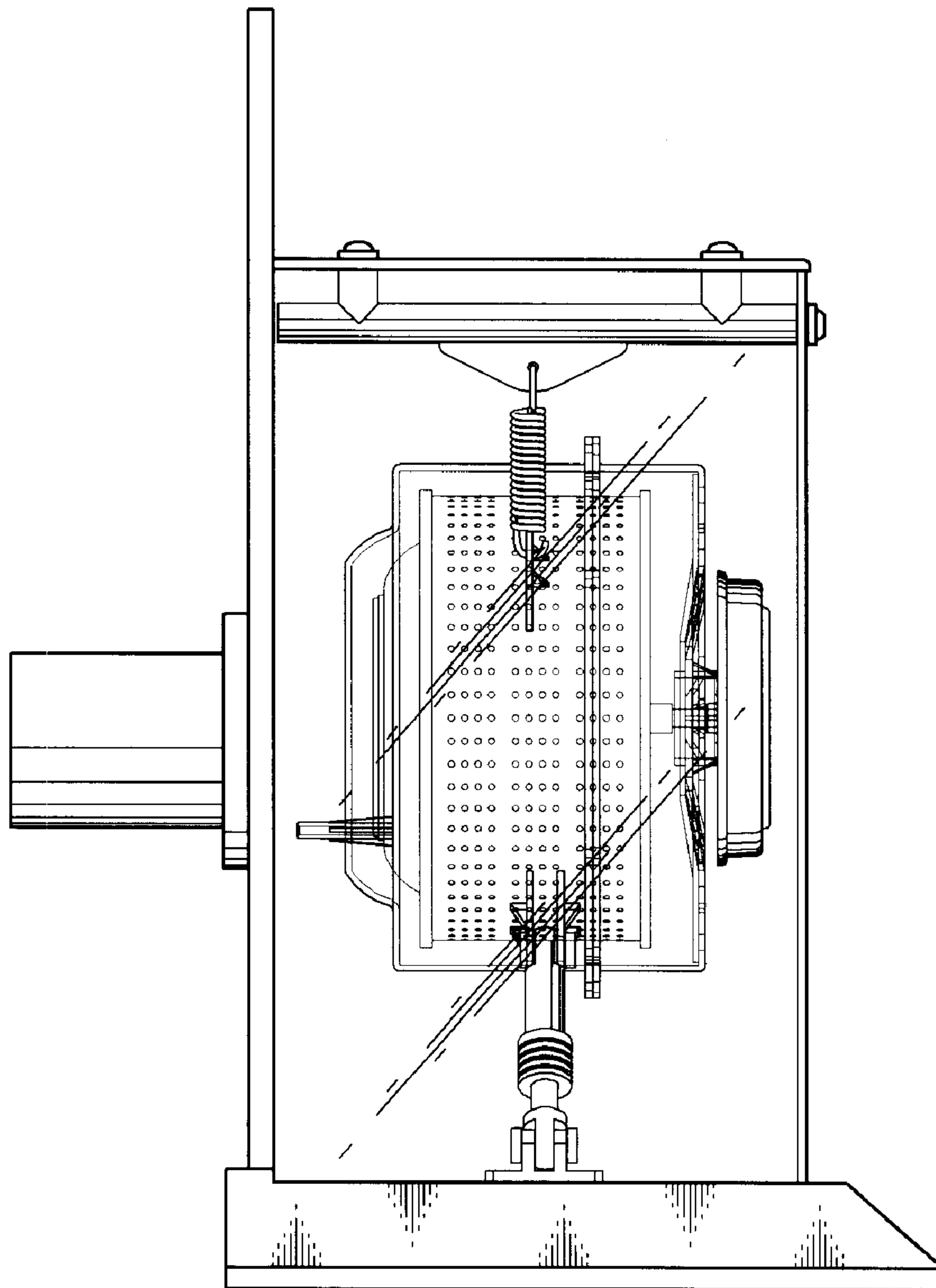
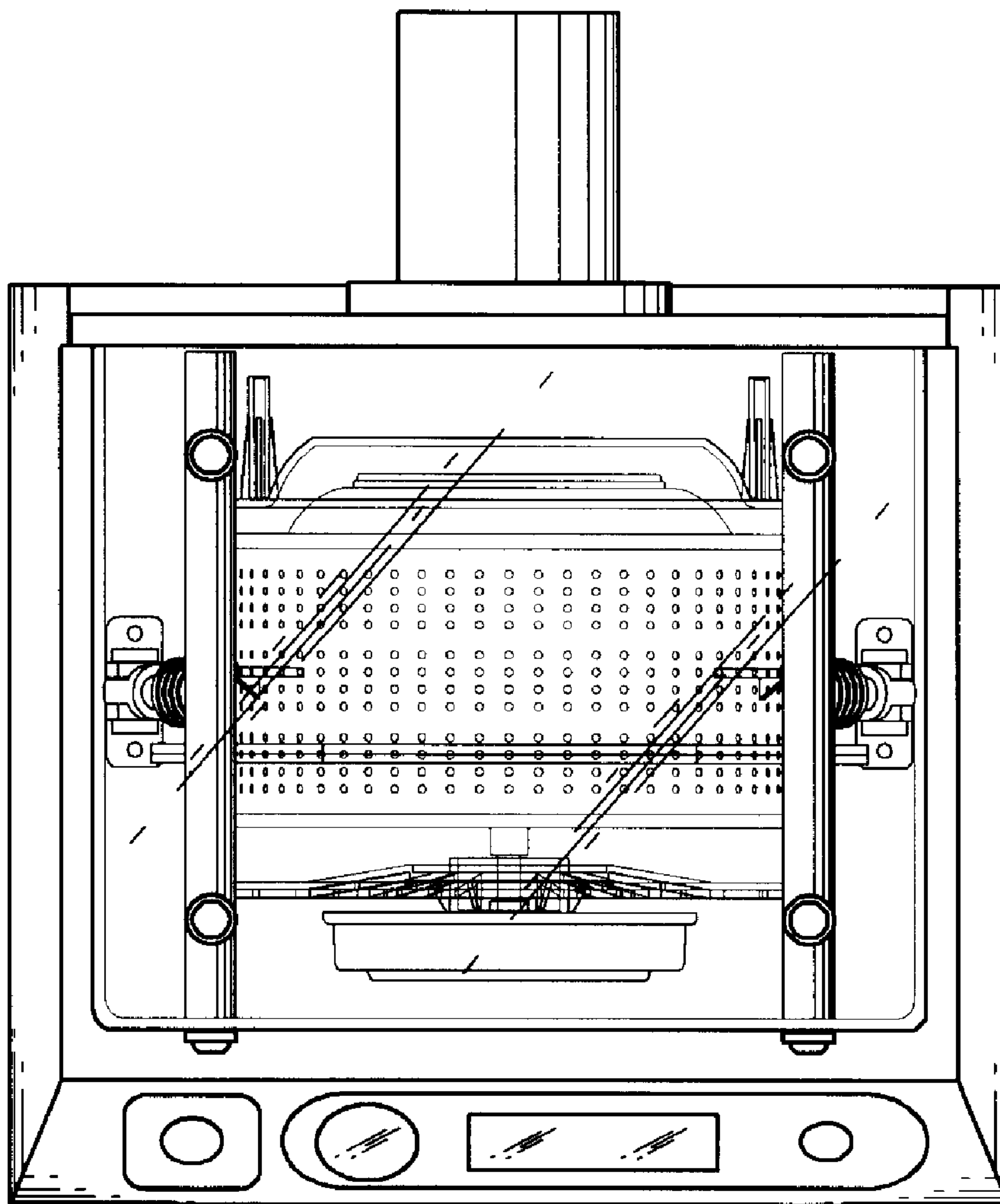


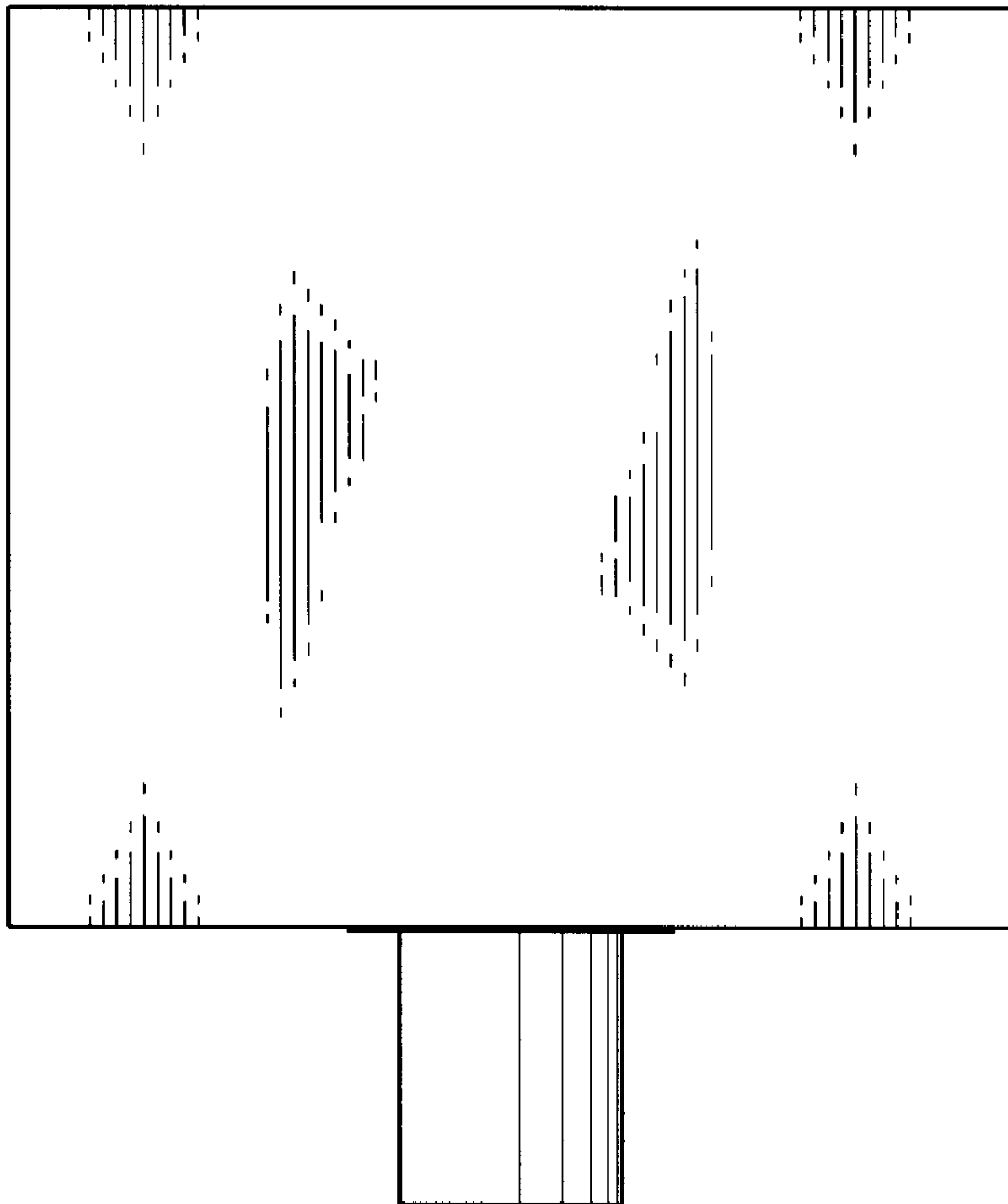
FIG. 4



**FIG. 5**



**FIG. 6**



**FIG. 7**

