



US00D537698S

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

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(45) **Date of Patent:** **\*\* Mar. 6, 2007**

(54) **HAND SHARPENER**

D491,786 S \* 6/2004 Waltzer ..... D8/93  
6,846,229 B1 \* 1/2005 Ranieri ..... 451/312

(75) Inventor: **Katsumi Hasegawa**, Seki (JP)

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(73) Assignee: **Kai R & D Center Co., Ltd.**, Gifu (JP)

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

\* cited by examiner

(21) Appl. No.: **29/232,116**

*Primary Examiner*—Philip S. Hyder

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*Assistant Examiner*—RoseLynne (Ulm) Cody

(30) **Foreign Application Priority Data**

(74) *Attorney, Agent, or Firm*—Jordan and Hamburg LLP

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(57) **CLAIM**

(51) **LOC (8) Cl.** ..... **08-05**

The ornamental design for a hand sharpener, as shown and described.

(52) **U.S. Cl.** ..... **D8/91**; D8/93

(58) **Field of Classification Search** ..... D8/91,  
D8/93; 76/82, 82.2, 86, 88; 451/312, 319,  
451/540, 548–549, 555, 559  
See application file for complete search history.

**DESCRIPTION**

FIG. 1 is a front view of a hand sharpener according to the invention;

(56) **References Cited**

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FIG. 2 is a rear view thereof;

FIG. 3 is a plan view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a front view showing the lid in a closed position;

FIG. 8 is a front view showing the lid in an open position and in section taken along the line 8—8 in FIG. 9 and also showing the internal arrangement of the main body; and,

FIG. 9 is a plan view showing the internal arrangement of the main body.

**1 Claim, 5 Drawing Sheets**

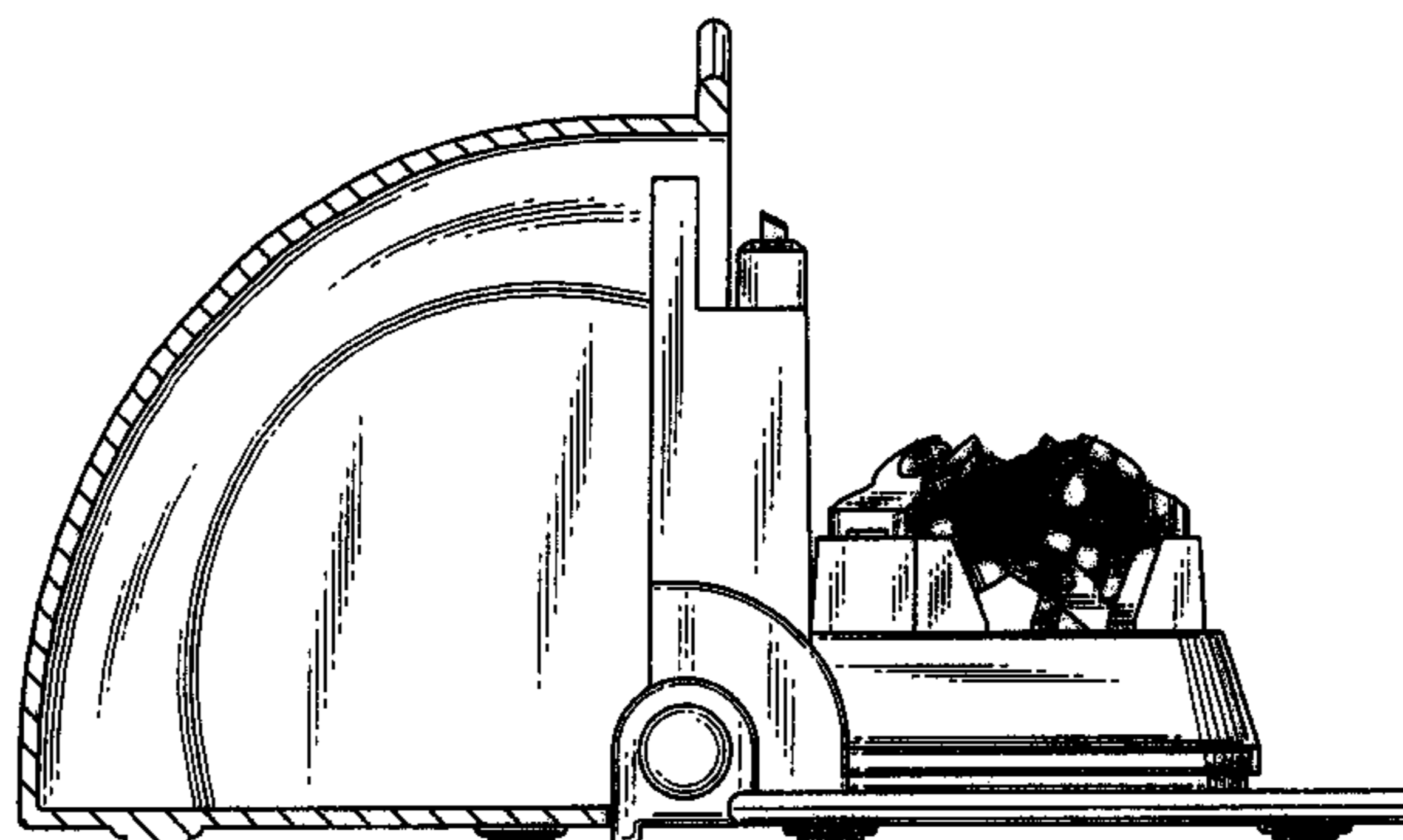
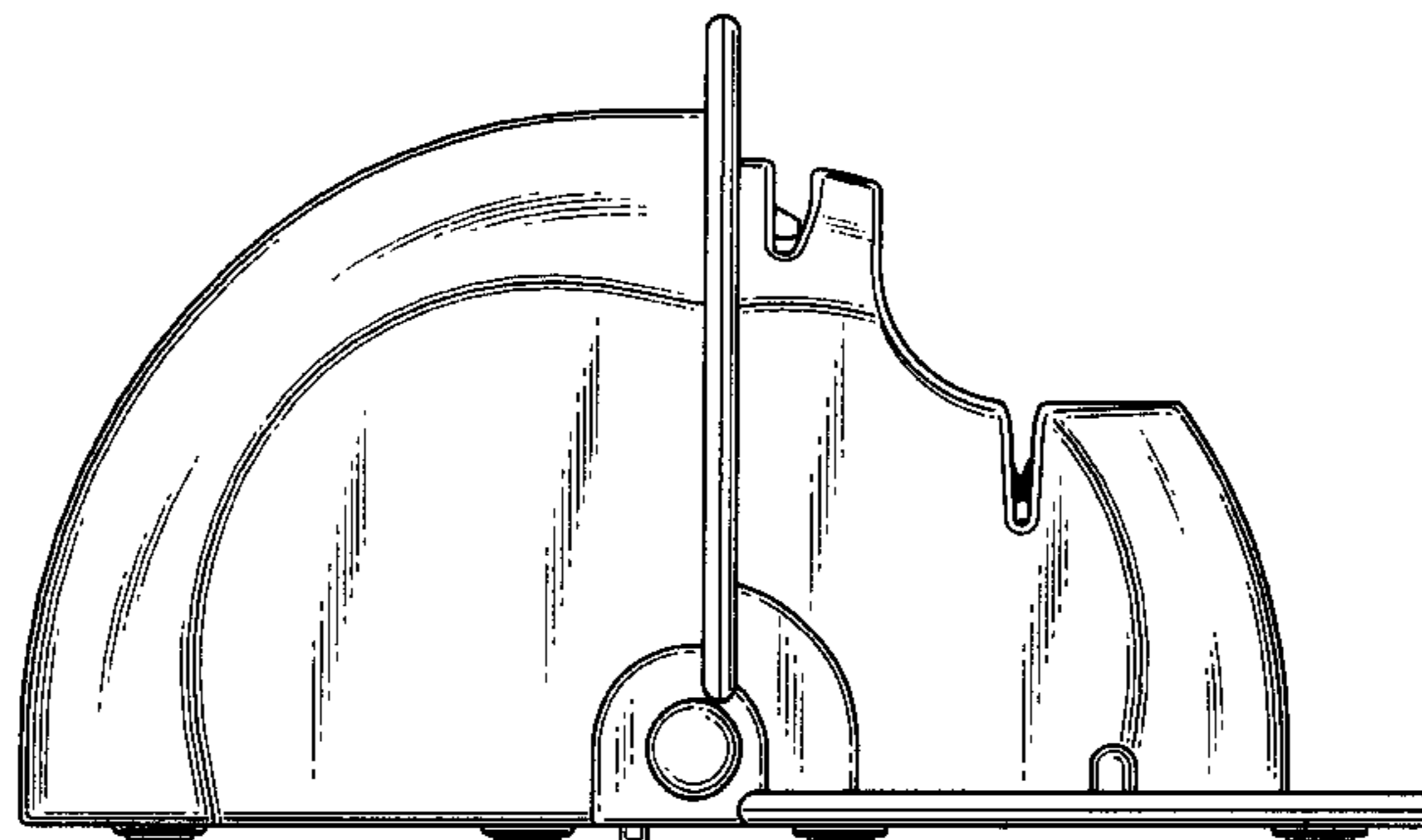


Fig. 1

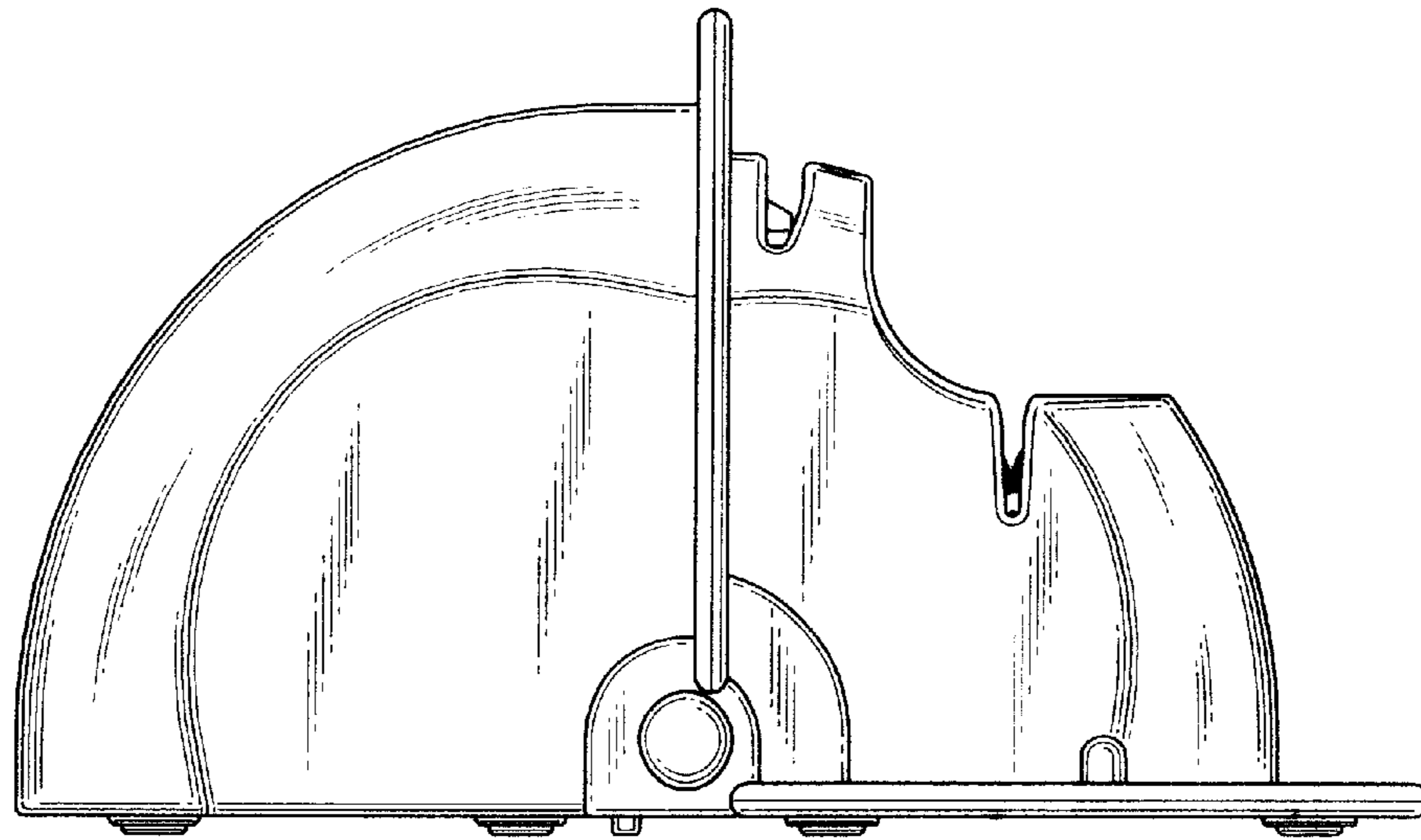


Fig. 2

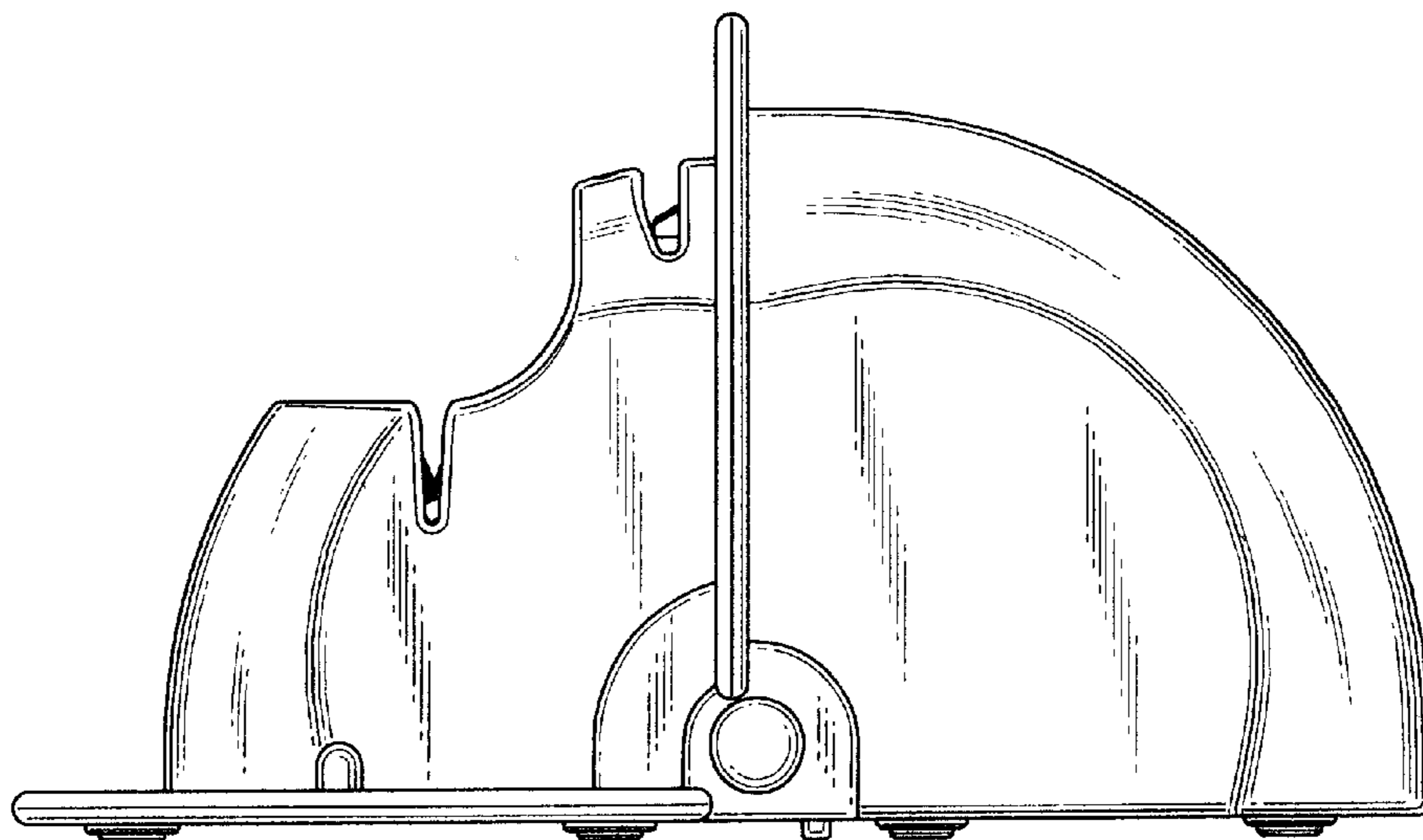


Fig. 3

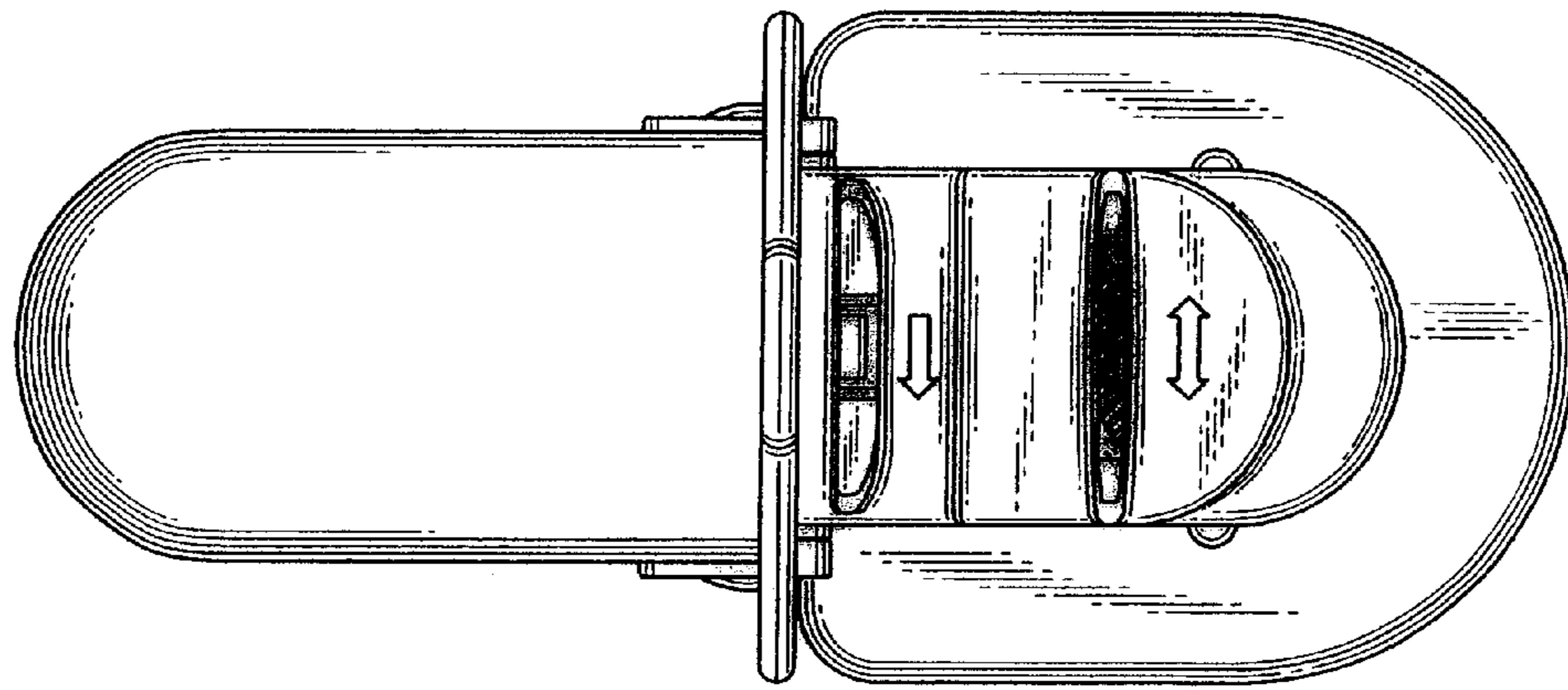


Fig. 4

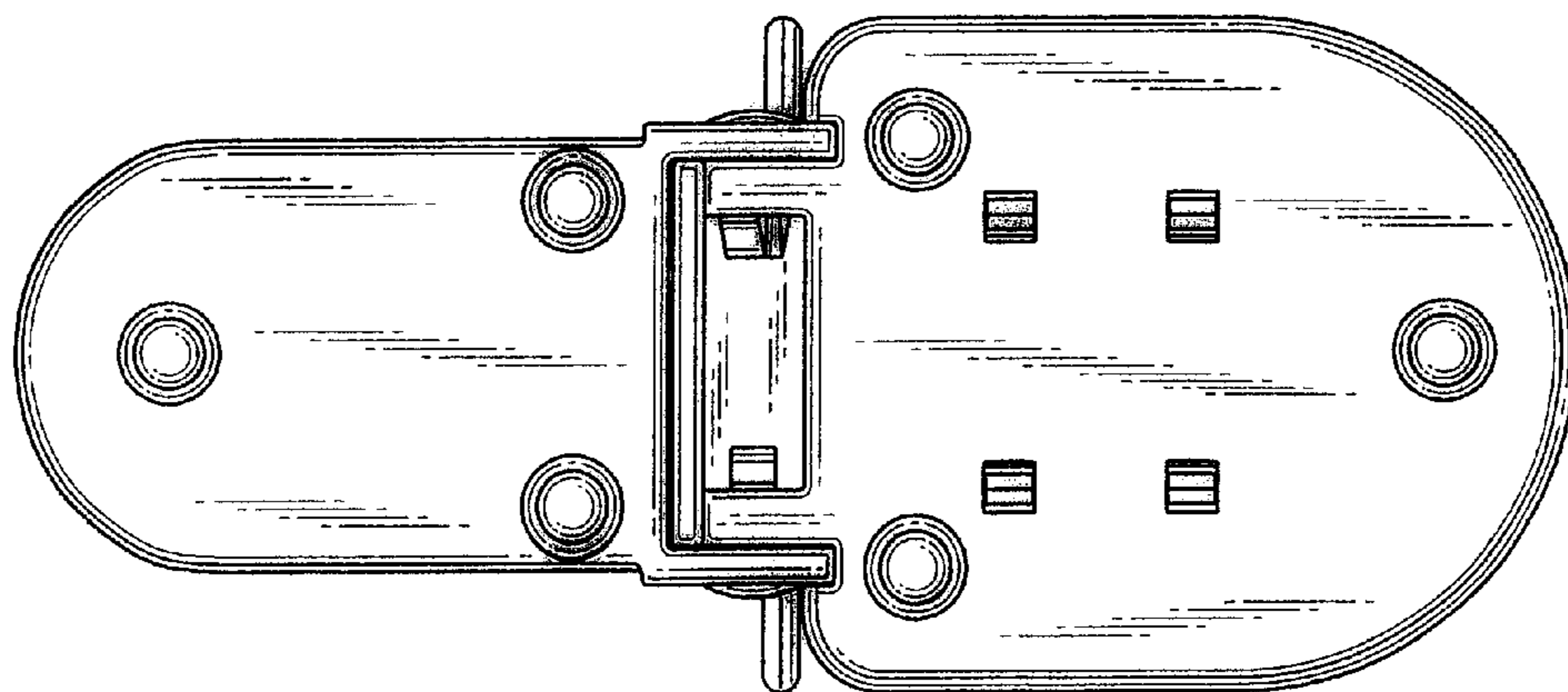


Fig. 5

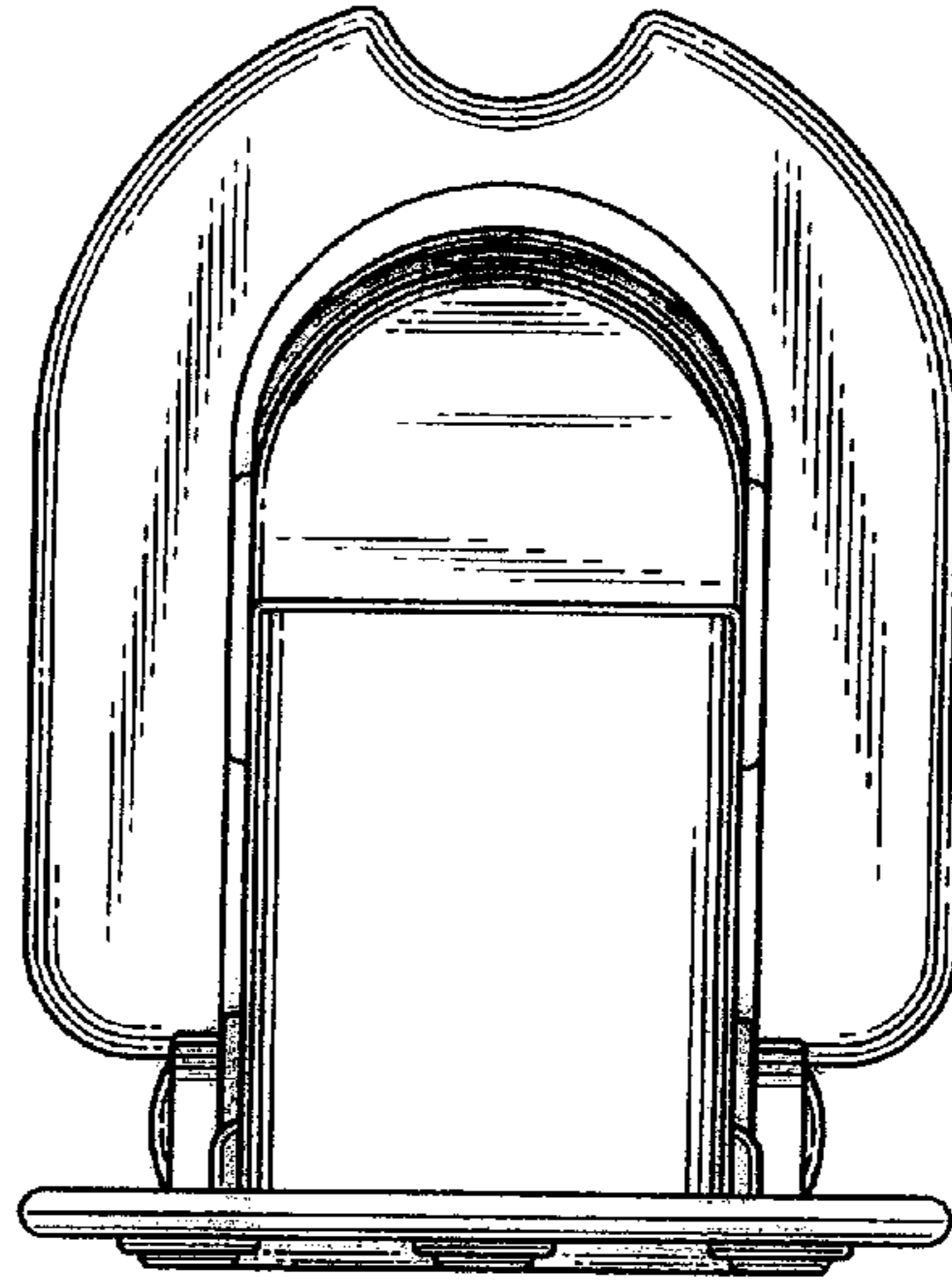


Fig. 6

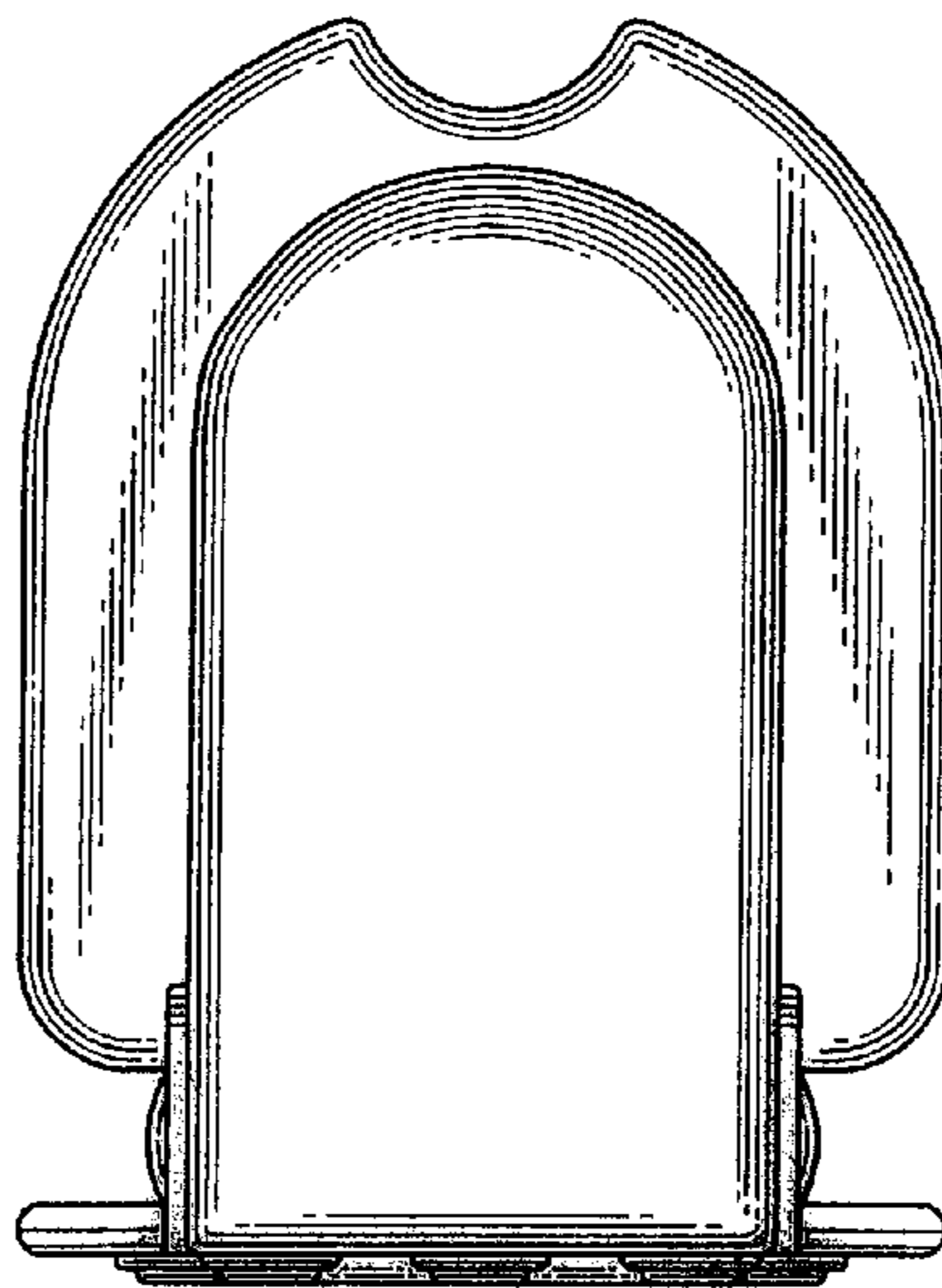


Fig. 7

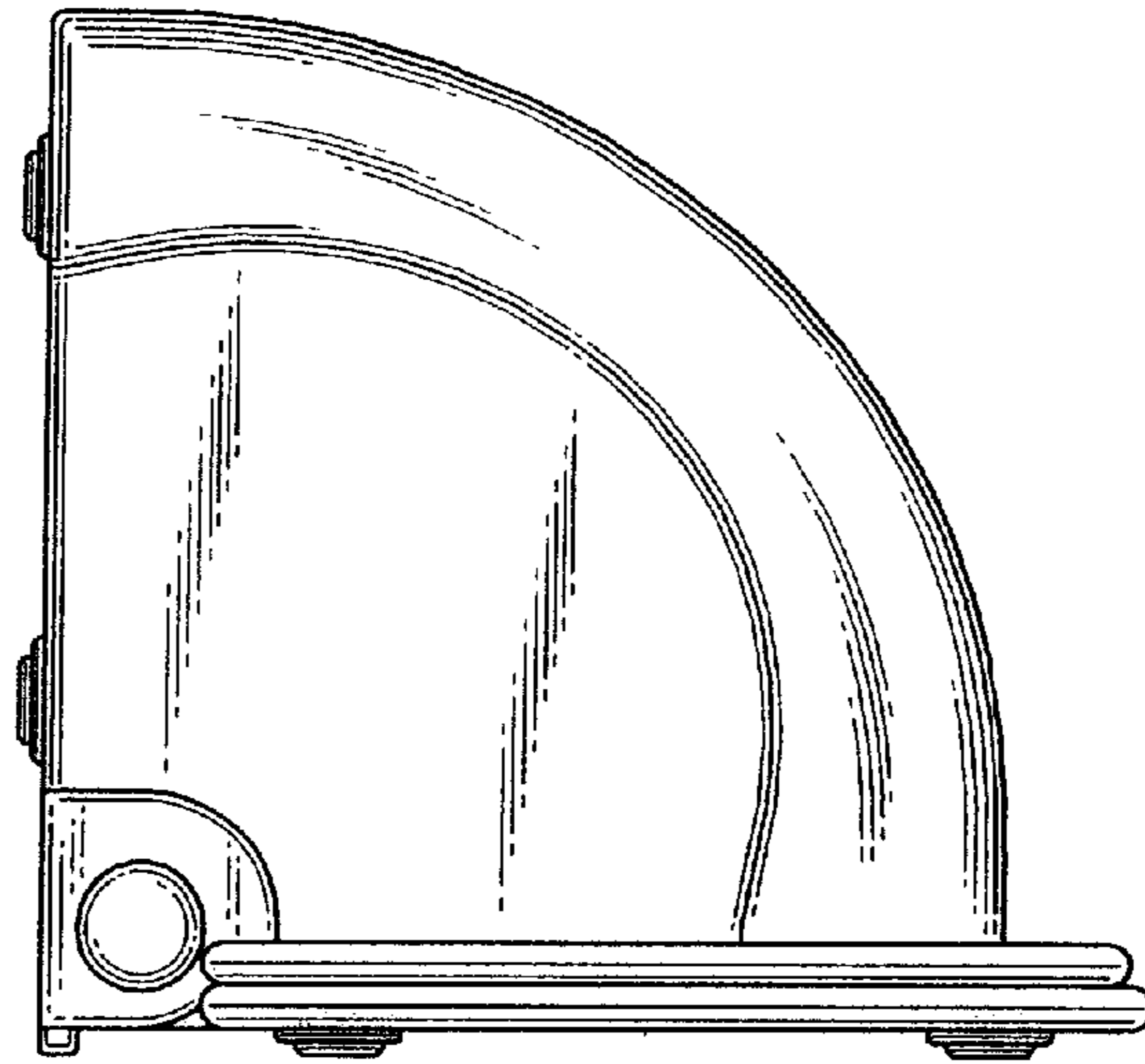


Fig. 8

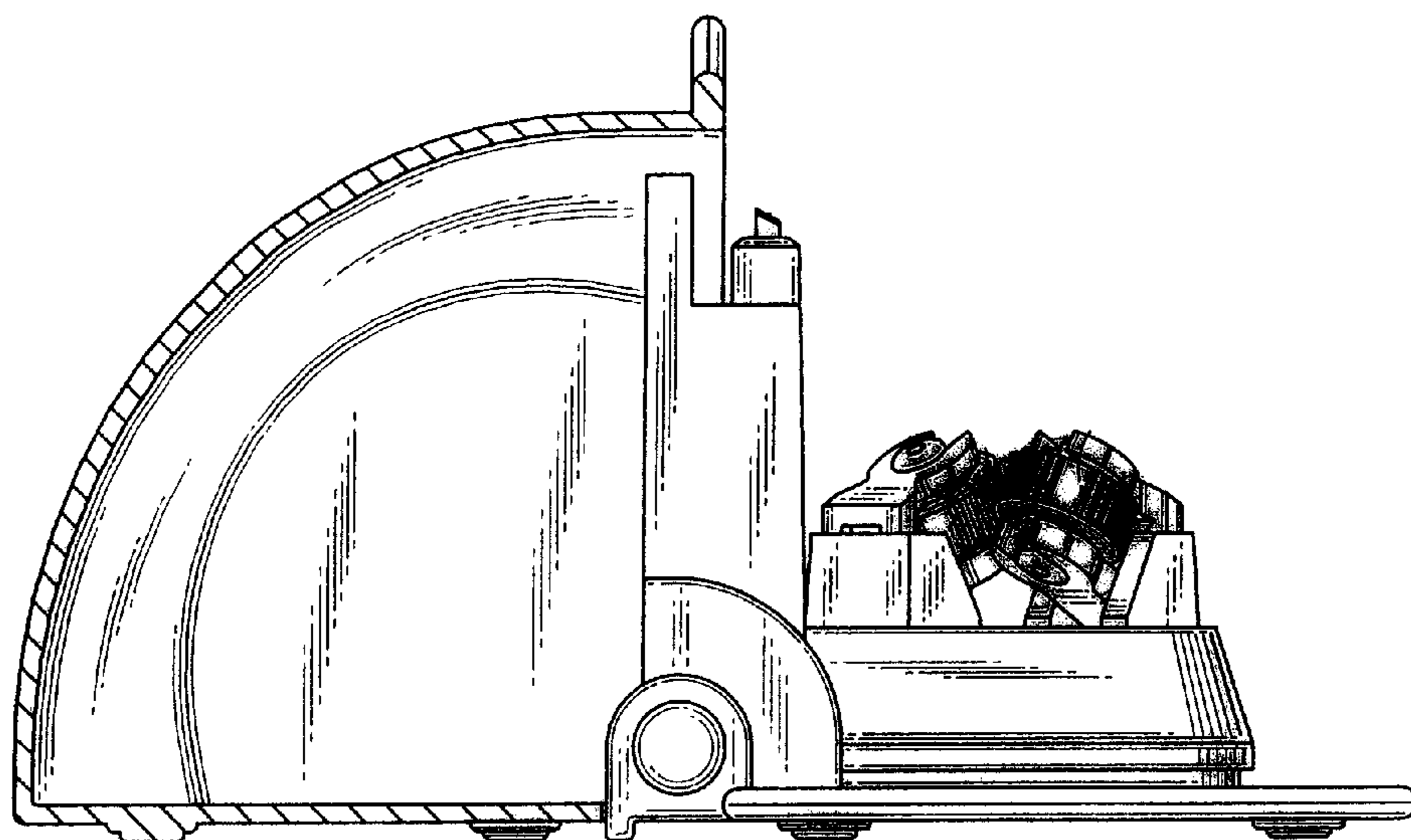


Fig. 9

