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

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(54) **KNIFE SHARPENER**

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

(21) Appl. No.: **29/732,865**

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(51) **LOC (13) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/93**

(58) **Field of Classification Search**  
USPC ..... D8/63, 90, 91, 92, 93  
CPC .... B24B 3/54; B24B 3/36; B24B 3/58; B24B 3/00; B24B 23/08; B24B 15/00; B24B 15/06; B24B 15/063; B24B 15/08  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D342,003 S \* 12/1993 Friel ..... D8/63  
5,404,679 A \* 4/1995 Friel ..... B24B 3/54  
451/312

D470,382 S \* 2/2003 Kurz ..... D8/91  
D624,799 S \* 10/2010 De Bretton Gordon ..... D8/93  
D626,397 S \* 11/2010 Smith ..... D8/93  
D629,273 S \* 12/2010 Friel, Sr. .... D8/93  
D640,909 S \* 7/2011 Stutz ..... D8/93  
D680,846 S \* 4/2013 Smith ..... D8/93  
D763,650 S \* 8/2016 Severinson ..... D8/93  
D876,199 S \* 2/2020 Zhu ..... D8/93  
D884,450 S \* 5/2020 Zemel ..... D8/93

\* cited by examiner

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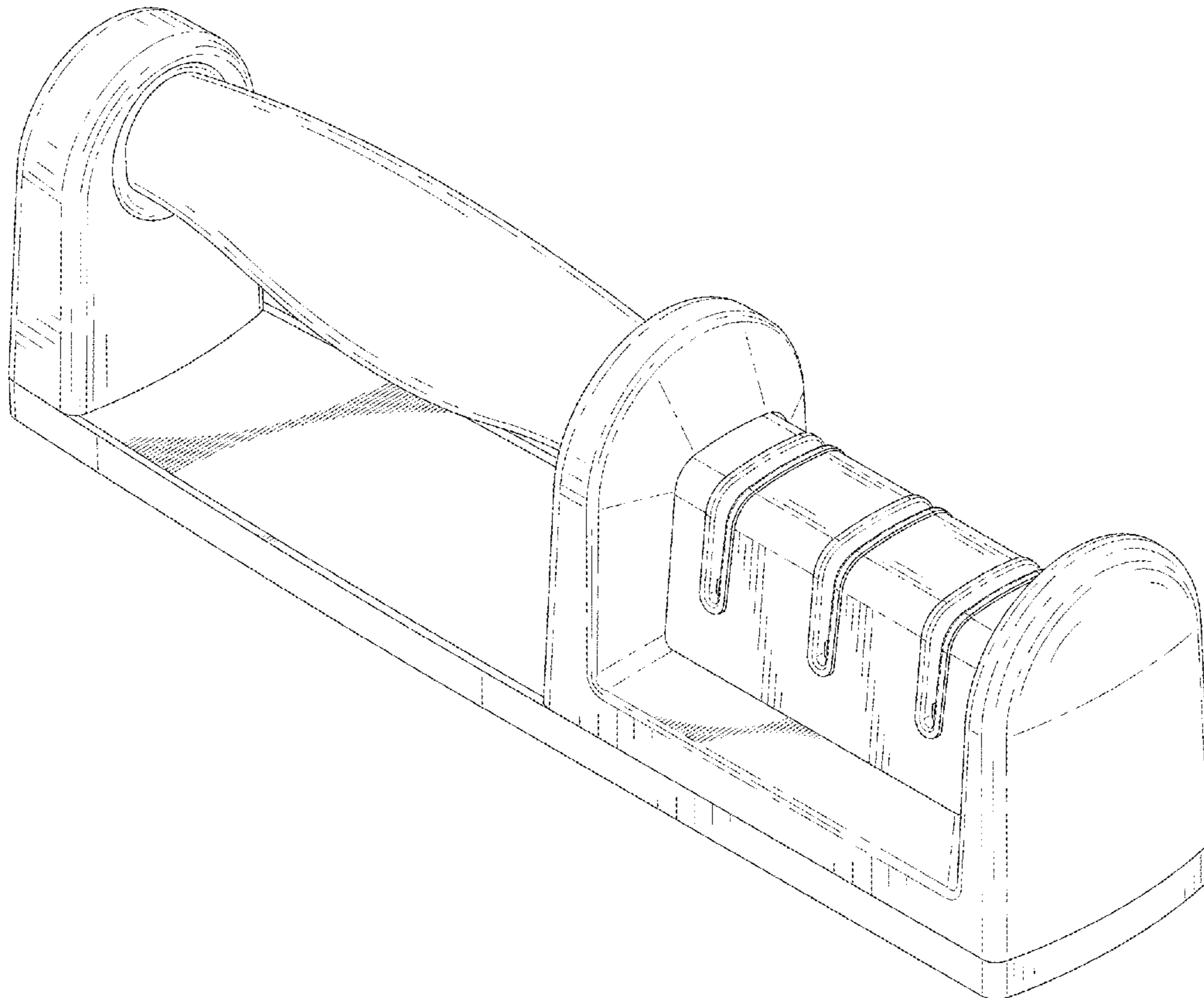
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevational view of a knife sharpener showing my new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a perspective view thereof.  
The broken lines depict portions of the knife sharpener in which the design is embodied that are not considered part of the claimed design.

**1 Claim, 6 Drawing Sheets**



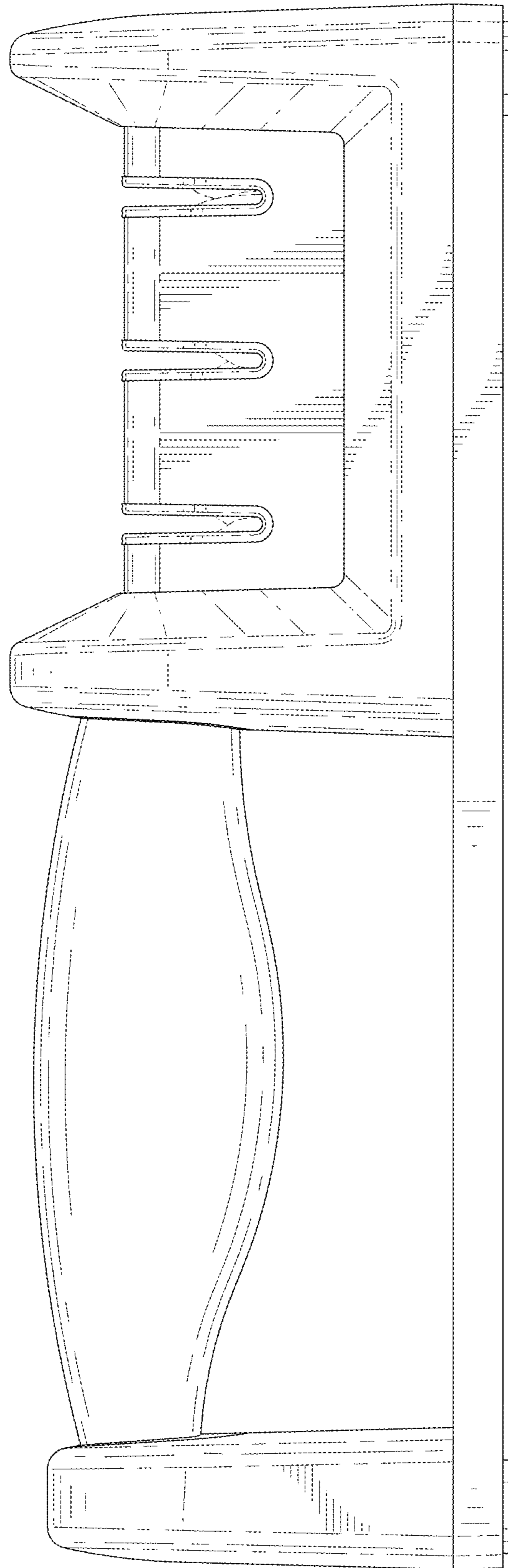


Fig. 1

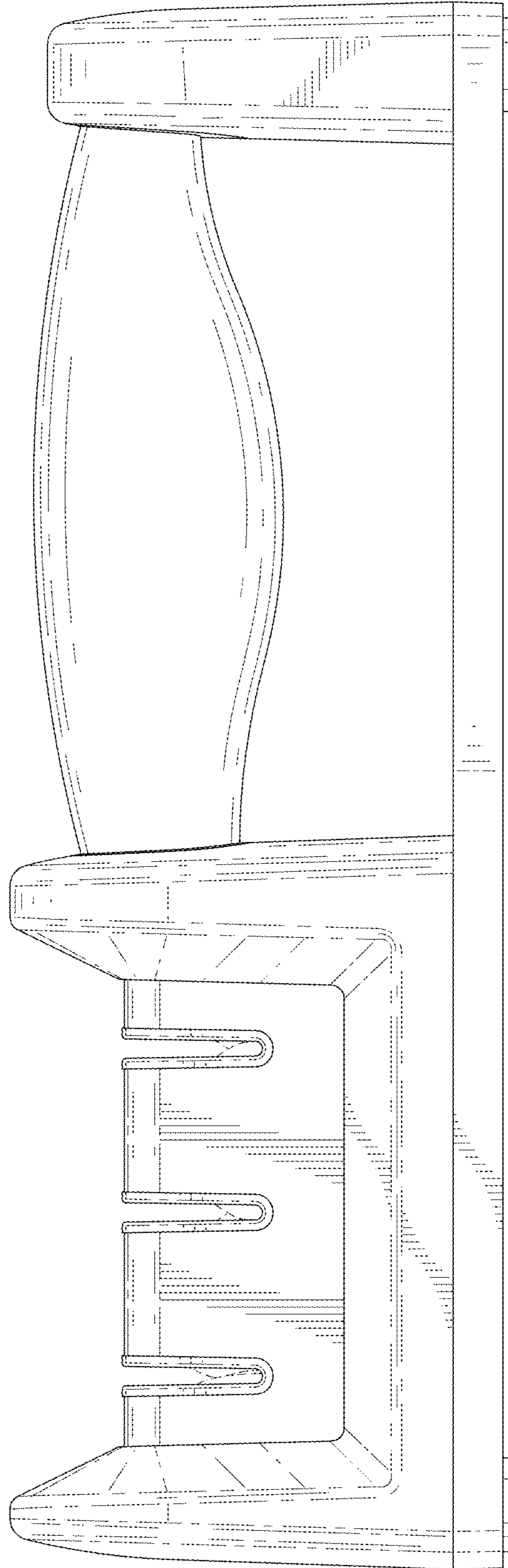


Fig. 2

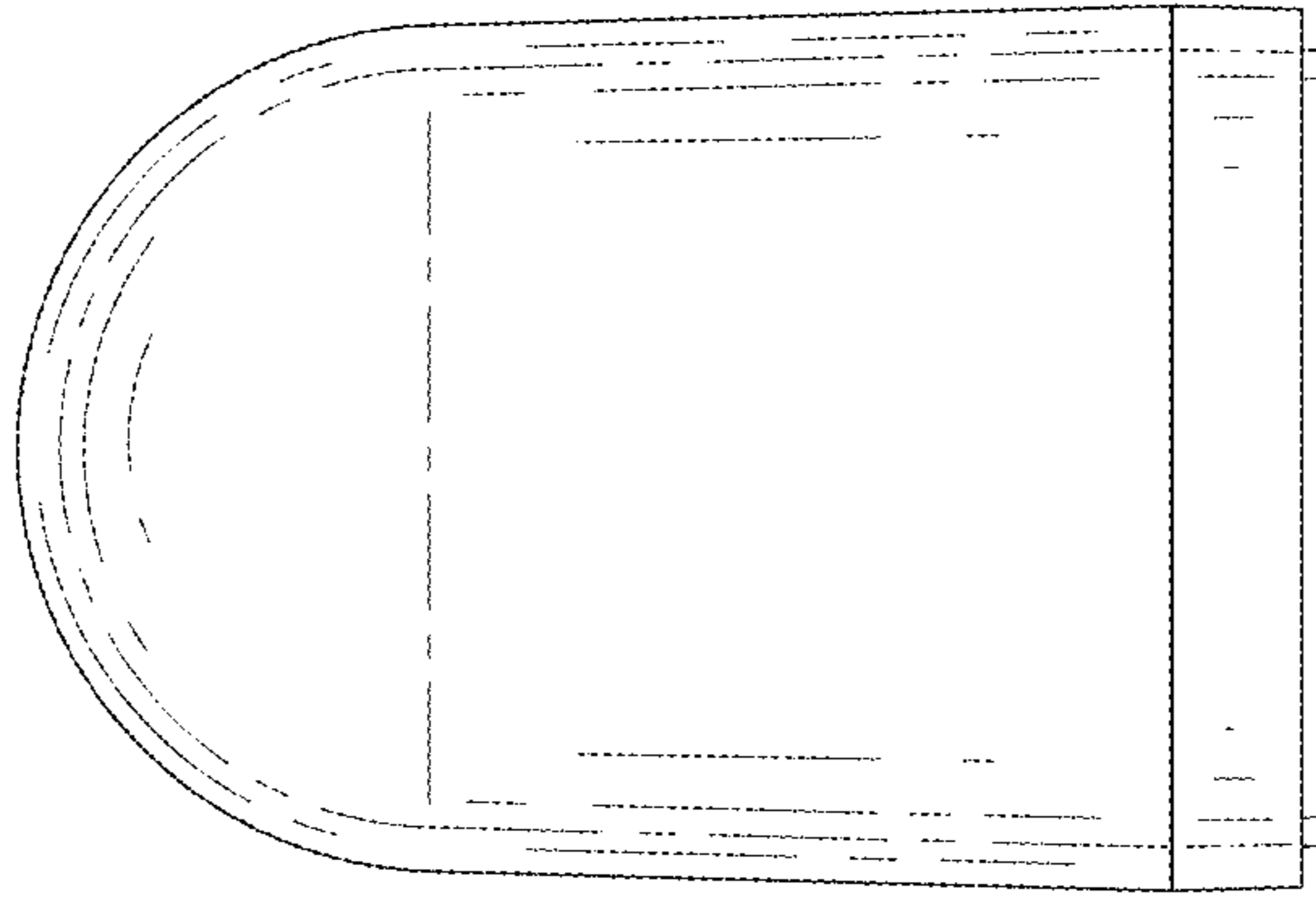


Fig. 3

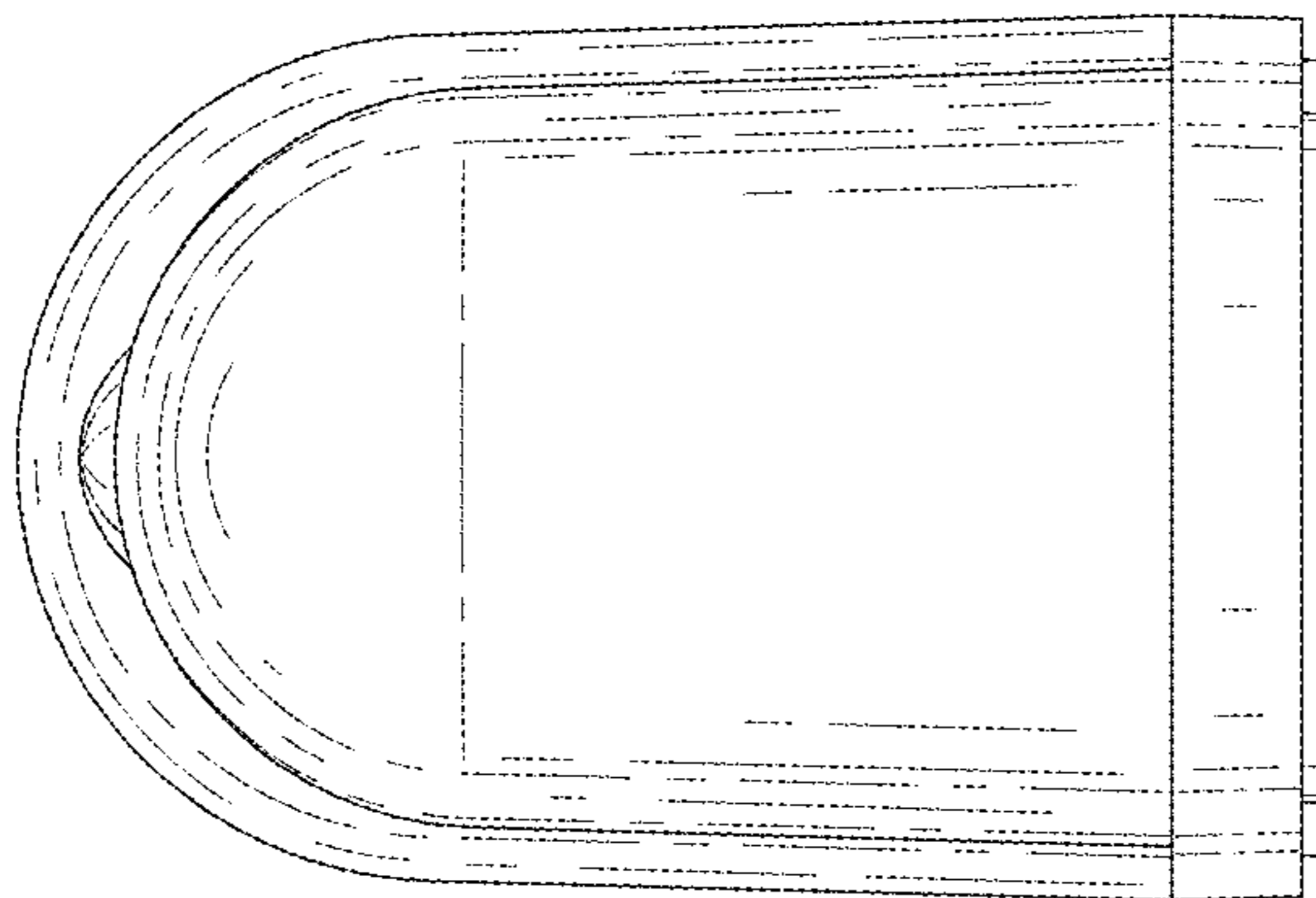


Fig. 4

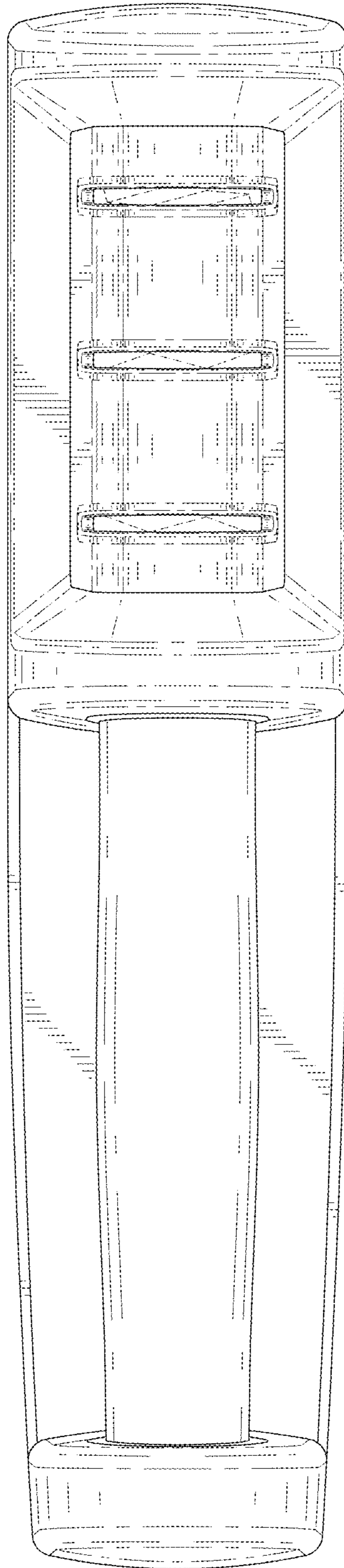


Fig. 5

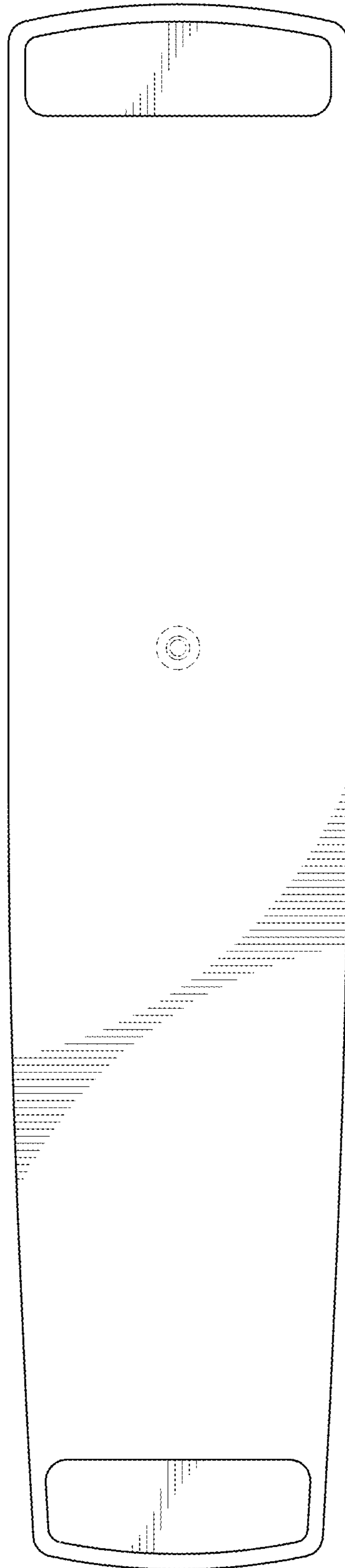


Fig. 6

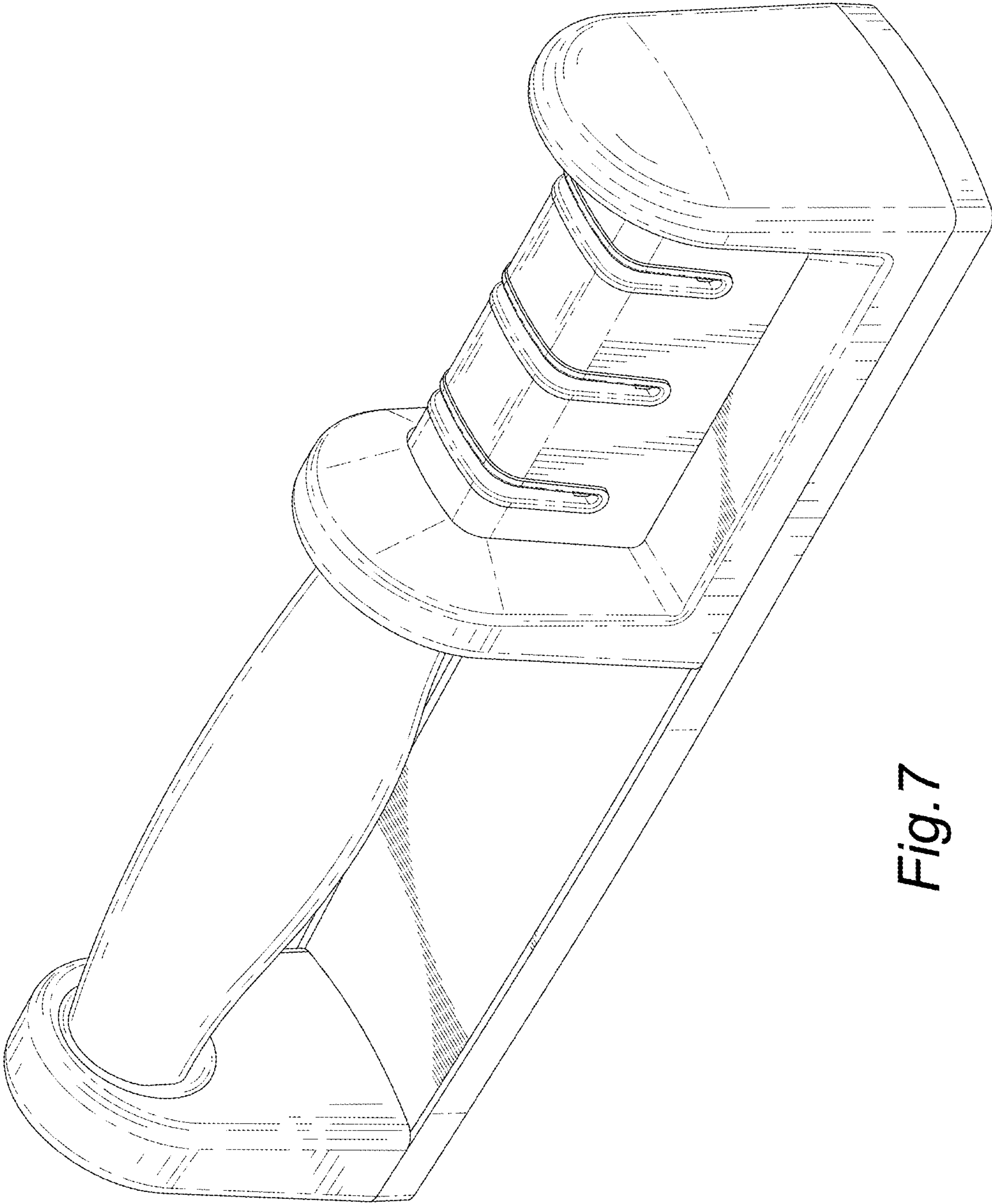


Fig. 7