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(12) **United States Design Patent** (10) **Patent No.:** **US D888,527 S**  
**Cavanaugh, Jr.** (45) **Date of Patent:** **\*\* Jun. 30, 2020**

(54) **KNIFE SHARPENER**

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TX (US)

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

(21) Appl. No.: **29/689,755**

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(51) **LOC (12) 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**

6,802,763 B1 \* 10/2004 Leung ..... B24B 49/16  
451/193  
D575,125 S \* 8/2008 Smith ..... D8/63  
D587,550 S \* 3/2009 Smith ..... D8/91

D626,397 S \* 11/2010 Smith ..... D8/93  
D640,909 S \* 7/2011 Stutz ..... D8/93  
D641,226 S \* 7/2011 Friel, Sr. .... D8/93  
D665,647 S \* 8/2012 Friel, Sr. .... D8/93  
D754,514 S \* 4/2016 Huber ..... D8/93  
D813,004 S \* 3/2018 Huber ..... D8/93  
D852,605 S \* 7/2019 Chalfant ..... D8/93  
D852,606 S \* 7/2019 Chalfant ..... D8/93  
D863,921 S \* 10/2019 Chalfant ..... D8/93  
2009/0298401 A1 \* 12/2009 Smith ..... B24D 15/08  
451/321

\* cited by examiner

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is an upper perspective view of the knife sharpener  
showing my design.

FIG. 2 is a front elevation view thereof;

FIG. 3 is a back elevation view thereof;

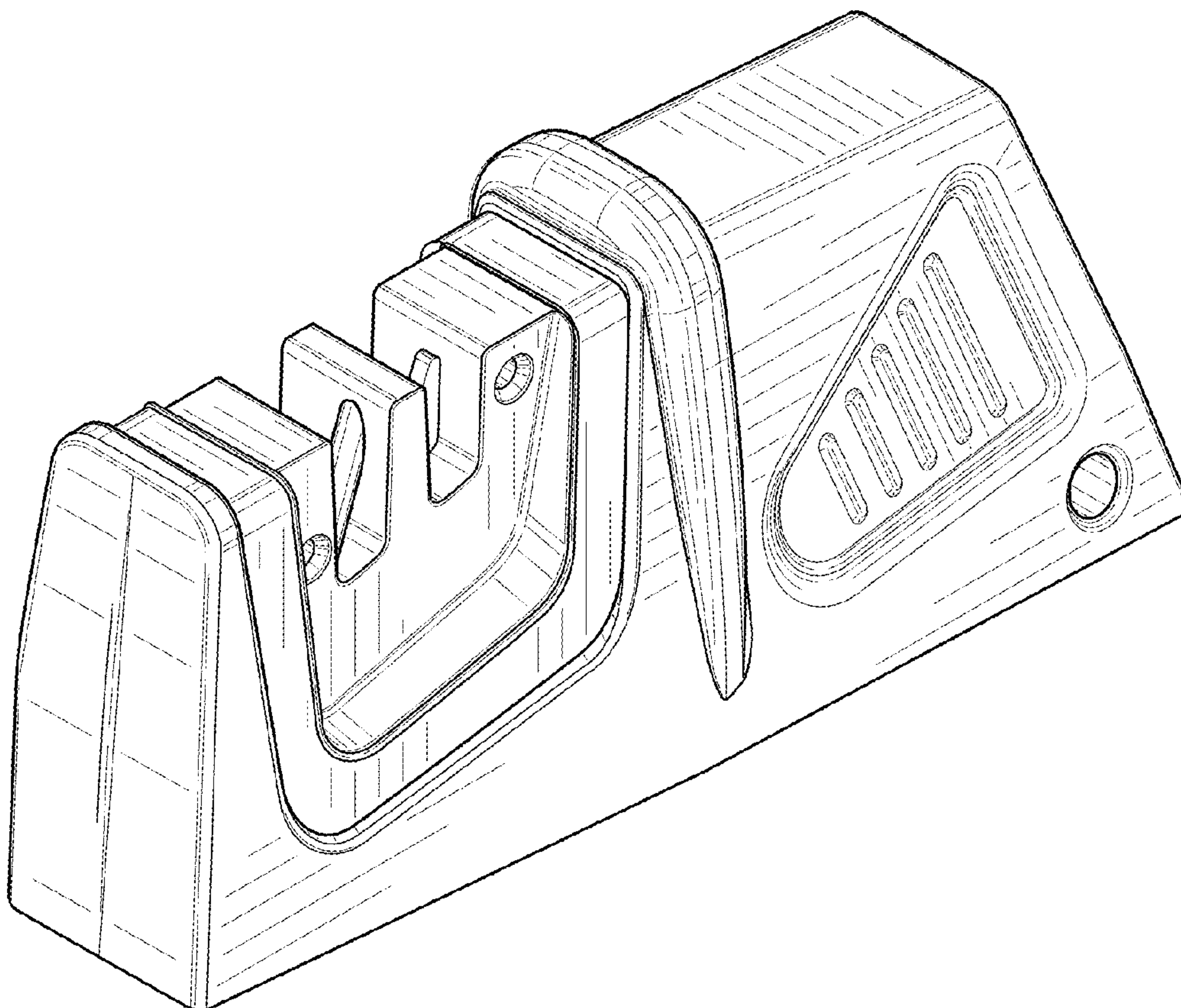
FIG. 4 is a side elevation view thereof;

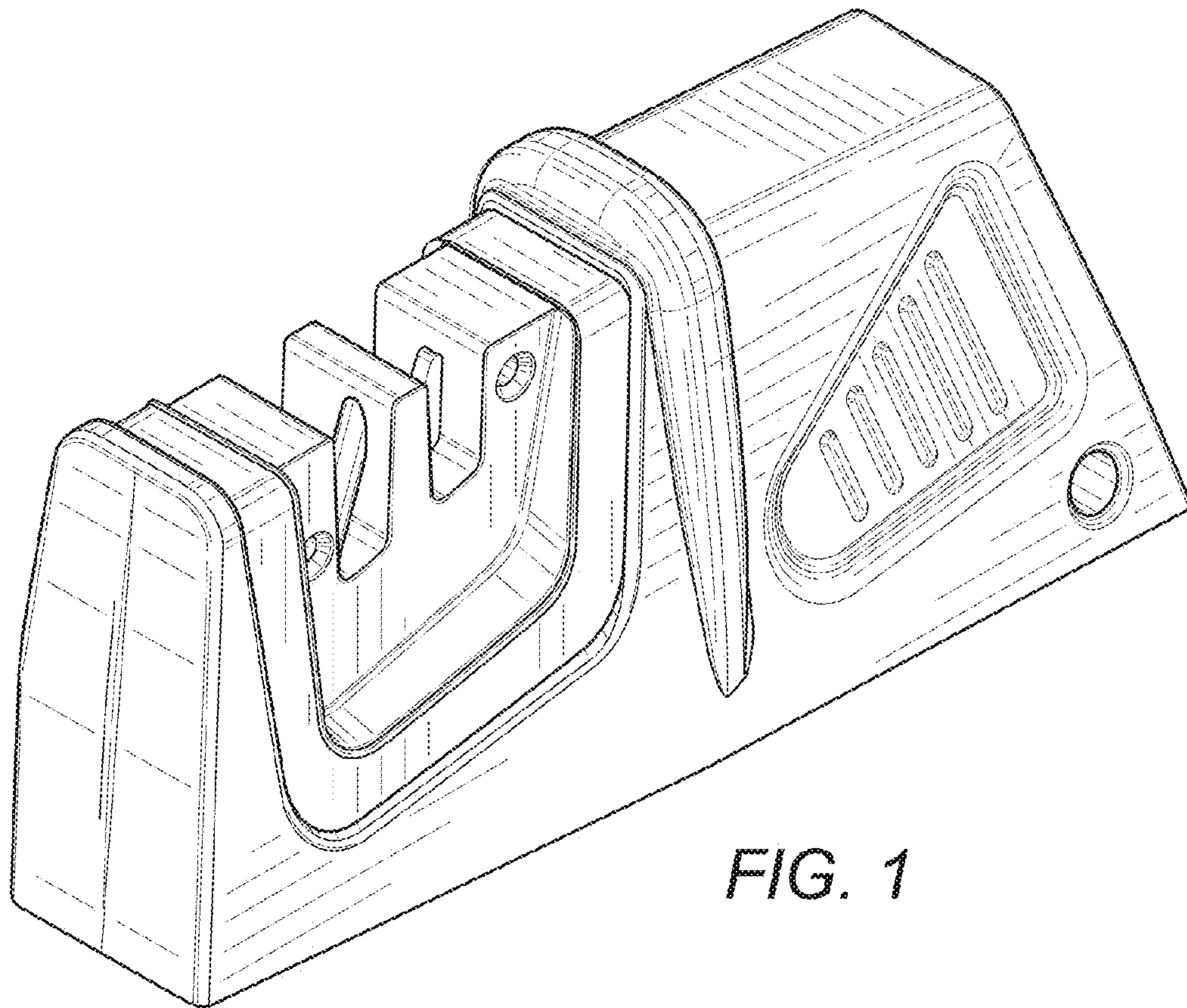
FIG. 5 is an opposite side elevation view thereof;

FIG. 6 is a top plan view thereof; and,

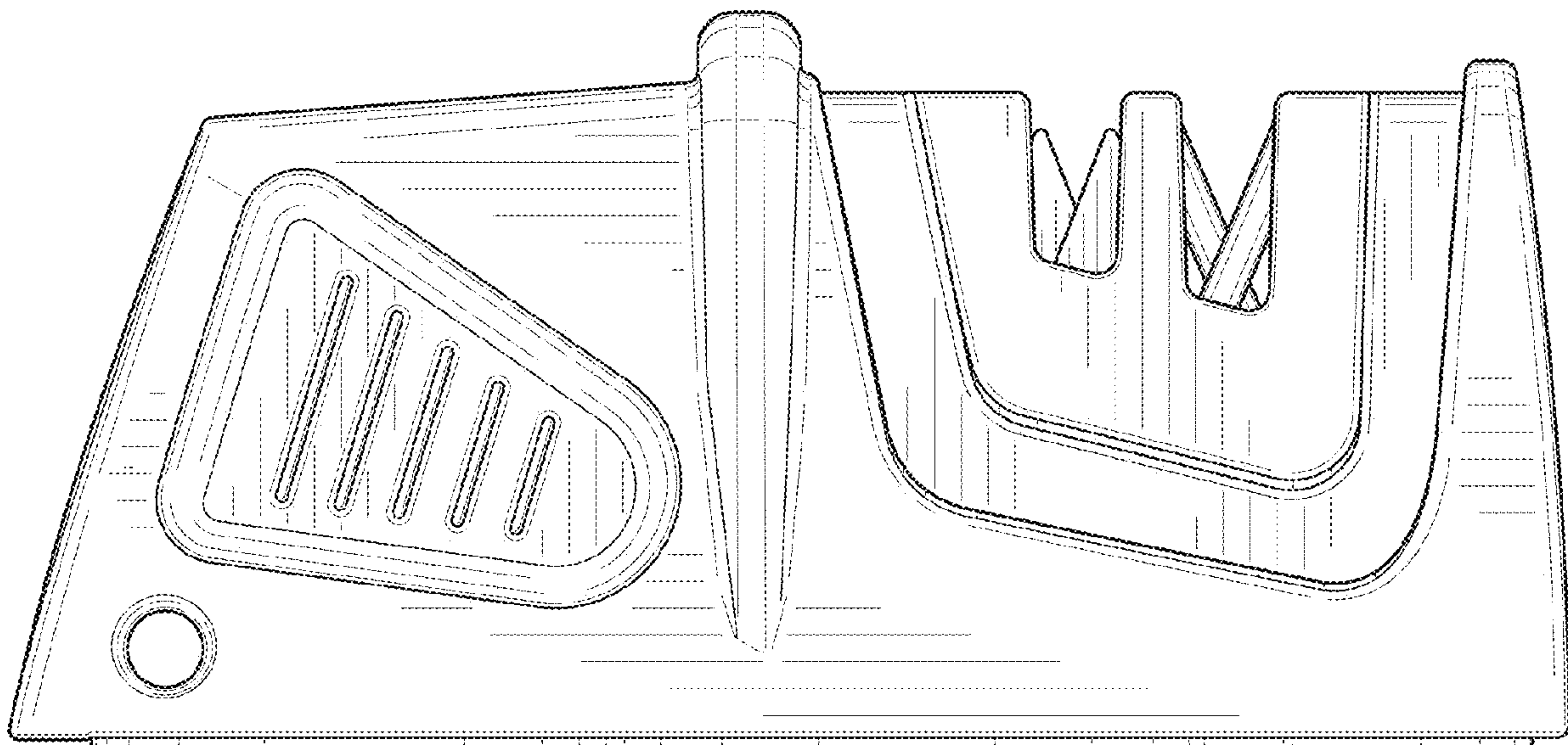
FIG. 7 is a bottom plan view thereof.

**1 Claim, 3 Drawing Sheets**

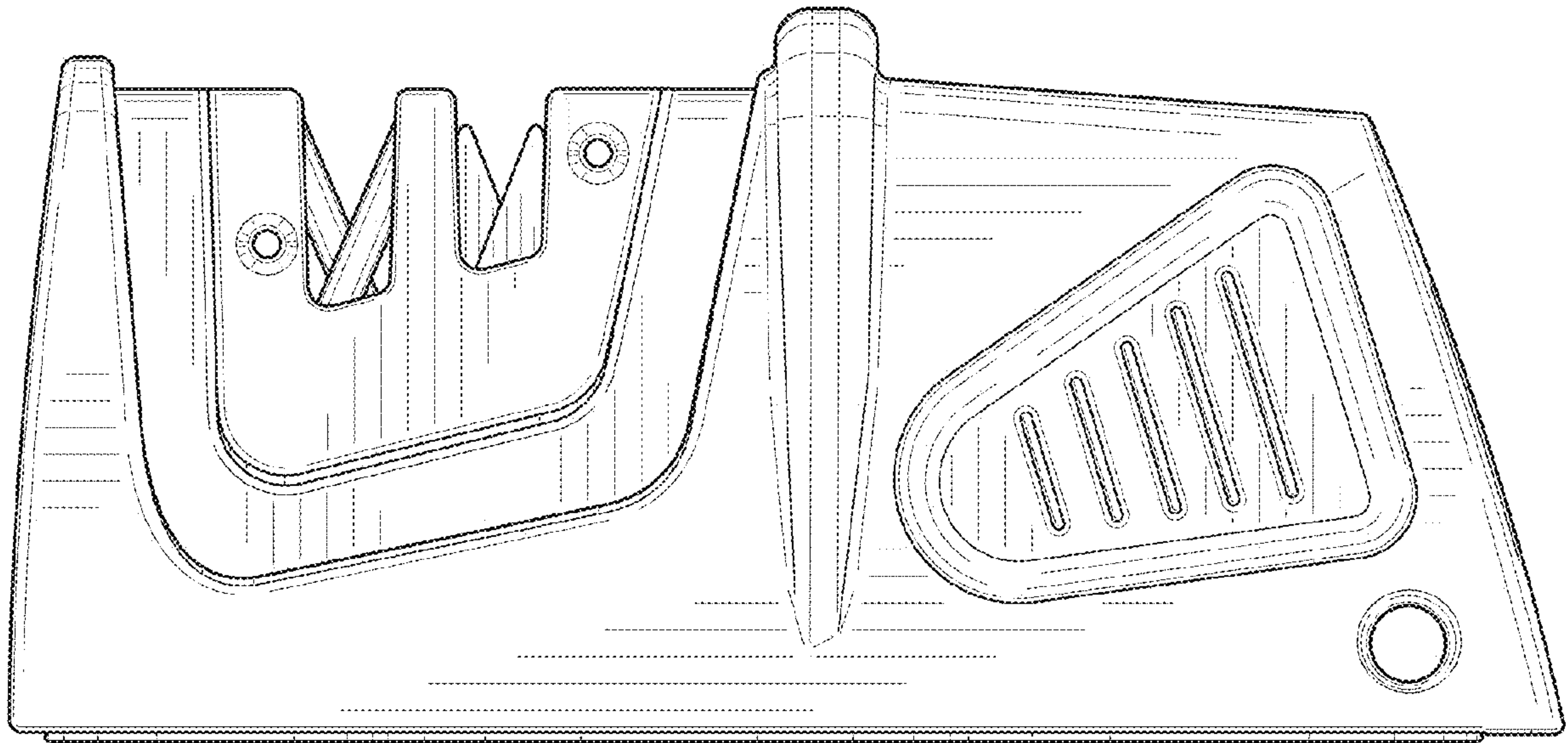




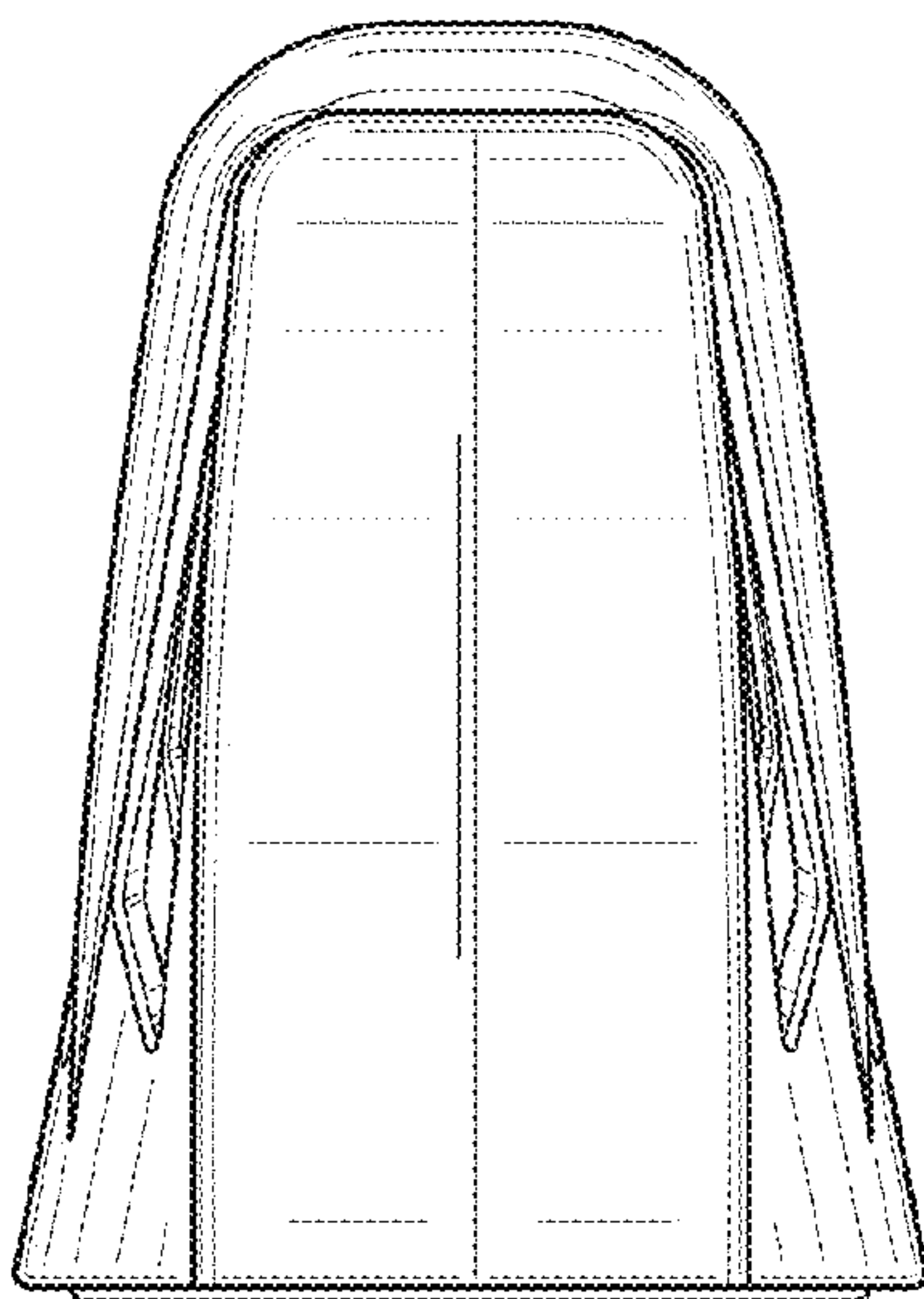
*FIG. 1*



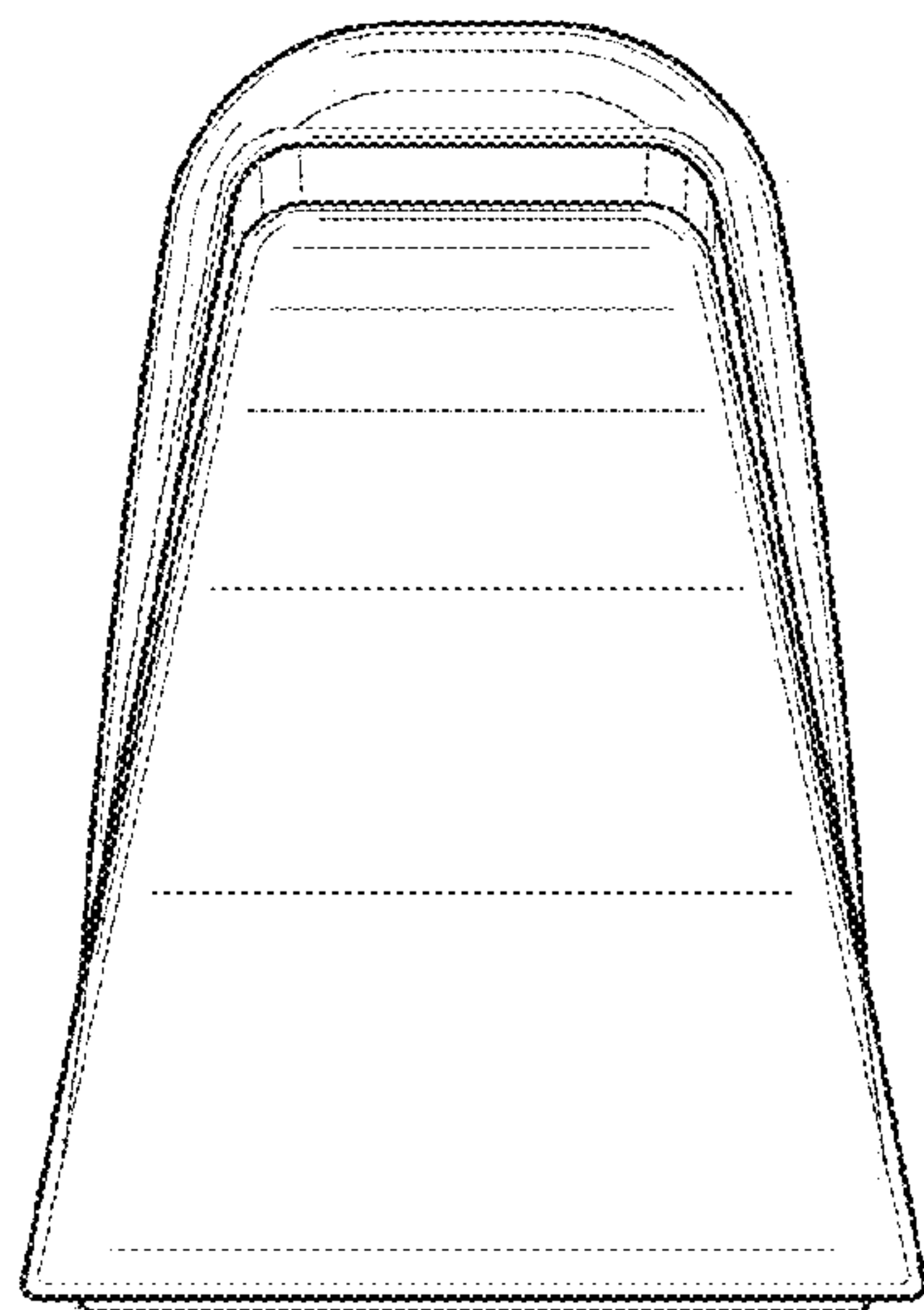
*FIG. 2*



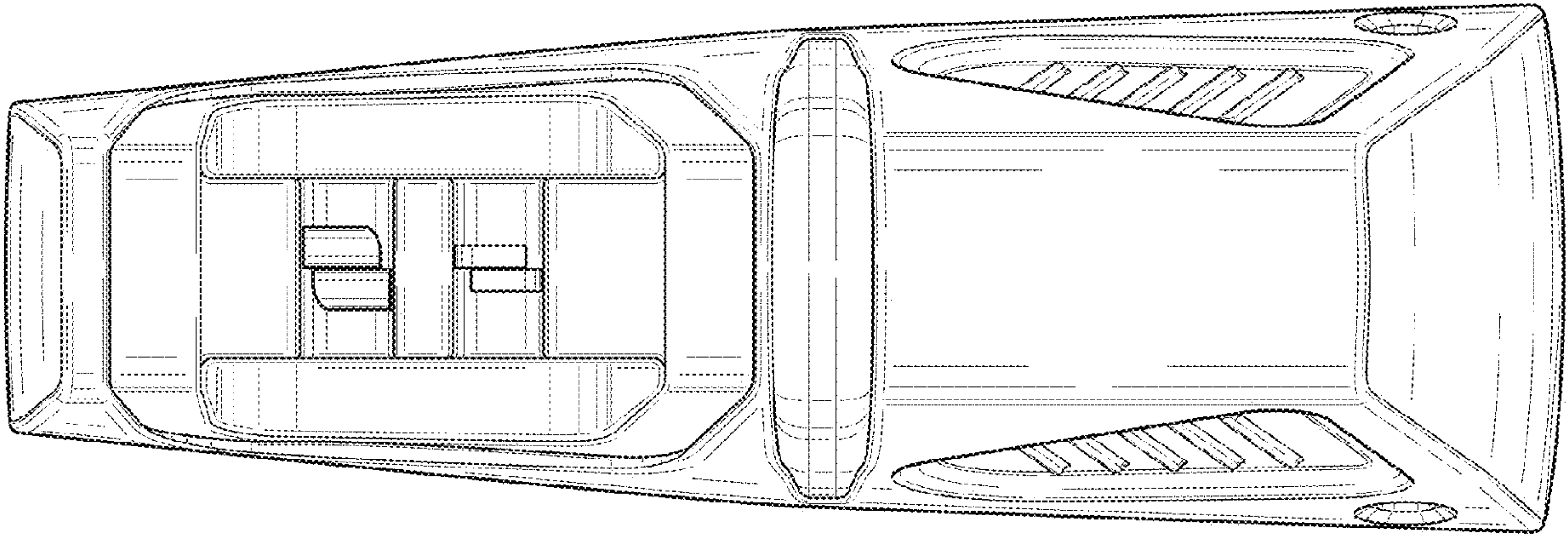
*FIG. 3*



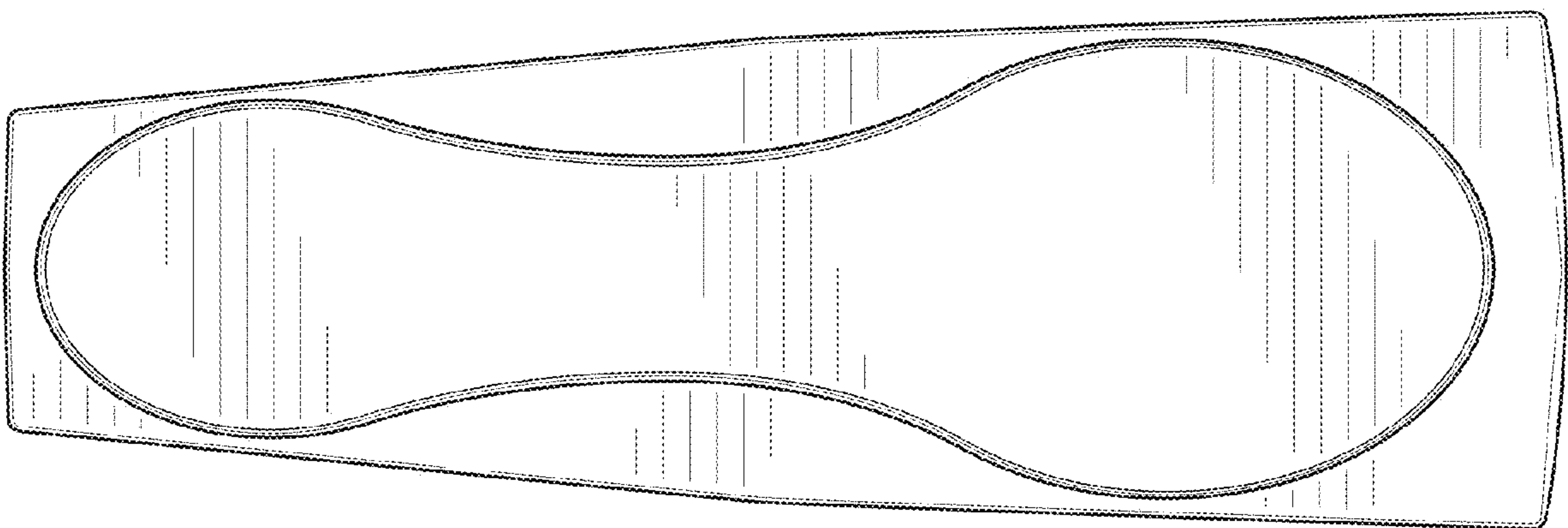
*FIG. 4*



*FIG. 5*



*FIG. 6*



*FIG. 7*