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(12) **United States Design Patent**
Elek et al.

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(54) **ELECTRIC KNIFE SHARPENER**

(71) Applicant: **Edgecraft Corporation**, Avondale, PA (US)

(72) Inventors: **Bela Elek**, Wilmington, DE (US);
George C. Jensen, Newark, DE (US);
Daniel D. Friel, Jr., Kennett Square, PA (US); **Samuel Weiner**, Wilmington, DE (US)

(73) Assignee: **Edgecraft Corporation**, Avondale, PA (US)

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

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Related U.S. Application Data

(63) Continuation-in-part of application No. 29/481,563, filed on Feb. 7, 2014.

(51) **LOC (10) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/63**

(58) **Field of Classification Search**

USPC D8/63, 93, 34, 91, 35; D7/698; 451/45,
451/267, 259, 198, 193, 177, 555, 132, 194,
451/241; 36/31; 76/86-89; 30/138
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,860,452 A	11/1958	Lebus
D284,736 S	7/1986	Kawai et al.
4,627,194 A	12/1986	Friel
4,716,689 A	1/1988	Friel
4,807,399 A	2/1989	Friel
D303,209 S	9/1989	Friel

D310,620 S	9/1990	Friel
5,005,319 A	4/1991	Friel
D328,410 S	8/1992	Friel
5,148,634 A	9/1992	Bigliano
5,245,791 A	9/1993	Bigliano
5,611,726 A	3/1997	Friel et al.
D409,891 S	5/1999	Friel
6,012,971 A	1/2000	Friel
6,113,476 A	9/2000	Friel
6,267,652 B1	7/2001	Friel
D491,783 S *	6/2004	Ikegaki et al. D8/63
6,802,763 B1	10/2004	Leung
6,863,600 B2	3/2005	Friel
6,875,093 B2	4/2005	Friel
6,881,137 B2	4/2005	Friel
6,932,683 B2	8/2005	Li
6,997,795 B2	2/2006	Friel
D542,616 S	5/2007	Elek
D543,430 S	5/2007	Barr
7,235,004 B2	6/2007	Friel

(Continued)

Primary Examiner — Austin Murphy

(74) *Attorney, Agent, or Firm* — Drinker Biddle & Reath LLP

(57)

CLAIM

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

DESCRIPTION

FIG. 1 is a front isometric view of an electric knife sharpener showing our new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a right side elevational view thereof;

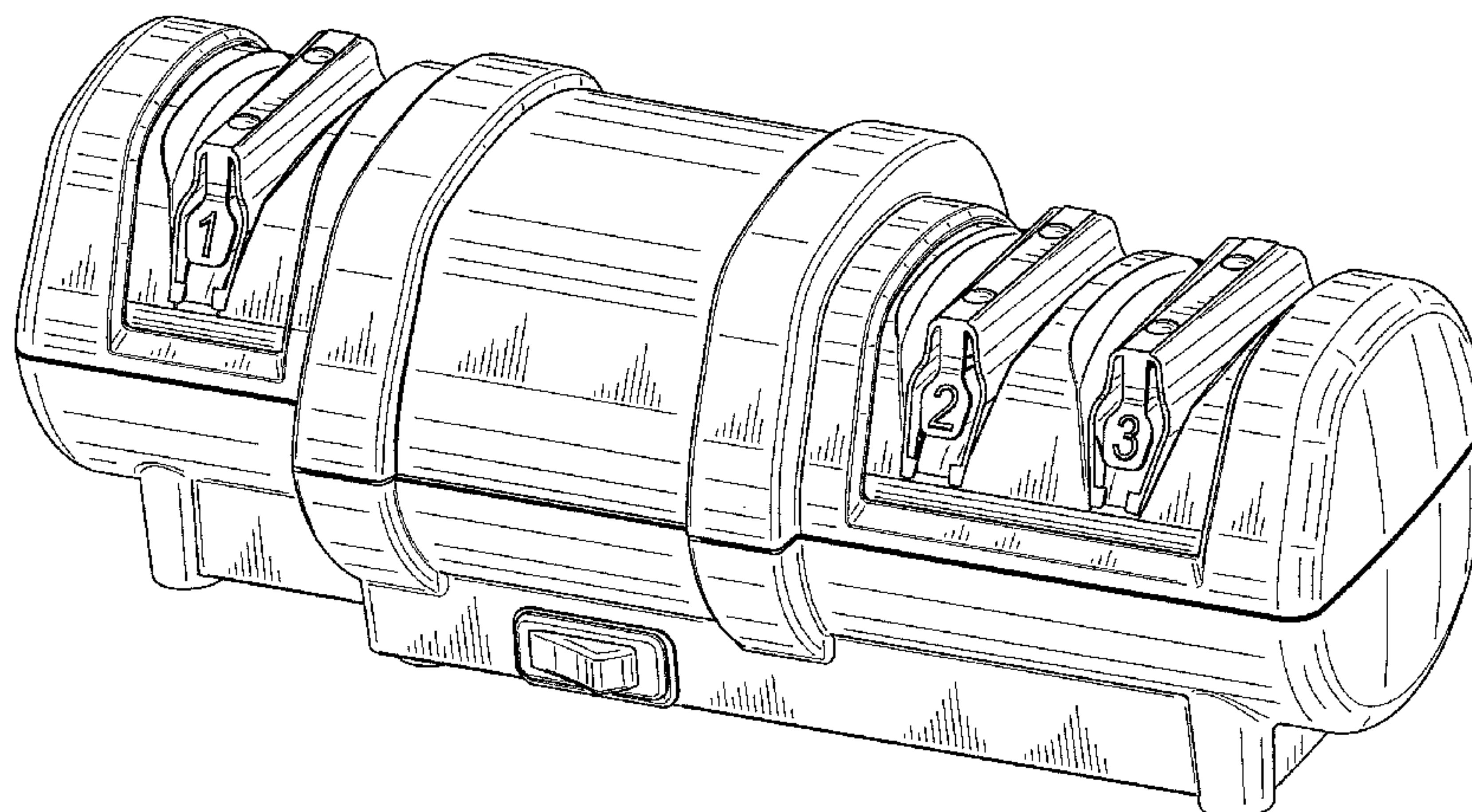
FIG. 5 is a left side elevational view thereof;

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

FIG. 7 is a bottom plan view thereof.

The broken lines in FIG. 3 and in FIG. 7 illustrate portions of the design that form no part of the claim.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,287,445 B2

10/2007

Friel

D567,611 S

4/2008

Elek

D575,124 S

8/2008

Smith

7,452,262 B2

11/2008

Friel

7,488,241 B2

2/2009

Elek

7,494,403 B2

2/2009

Friel

7,517,275 B2

4/2009

Friel

D605,918 S

12/2009

Deglon

7,686,676 B2

3/2010

Friel

D614,009 S

4/2010

Deglon

D620,332 S

7/2010

Elek

D632,153 S

2/2011

Walker et al.

8,043,143 B2

10/2011

Elek

D651,887 S

1/2012

Elek

D652,284 S

1/2012

Elek

D665,647 S

8/2012

Friel

8,267,750 B2

9/2012

Friel

D680,399 S

4/2013

Elek et al.

D688,545 S *

8/2013

Jensen et al. D8/63

8,585,462 B2 *

11/2013

Jensen et al. 451/41

D699,534 S *

2/2014

Elek et al. D8/63

8,678,882 B1 *

3/2014

Huber et al. 451/65

D705,625 S *

5/2014

Huber et al. D8/63

2003/0077990 A1 *

4/2003

Li 451/293

2003/0236061 A1 *

12/2003

Li 451/193

2004/0077296 A1 *

4/2004

Friel et al. 451/259

2004/0198198 A1 *

10/2004

Friel et al. 451/198

2009/0233530 A1 *

9/2009

Friel et al. 451/45

2009/0298401 A1 *

12/2009

Smith et al. 451/321

* cited by examiner

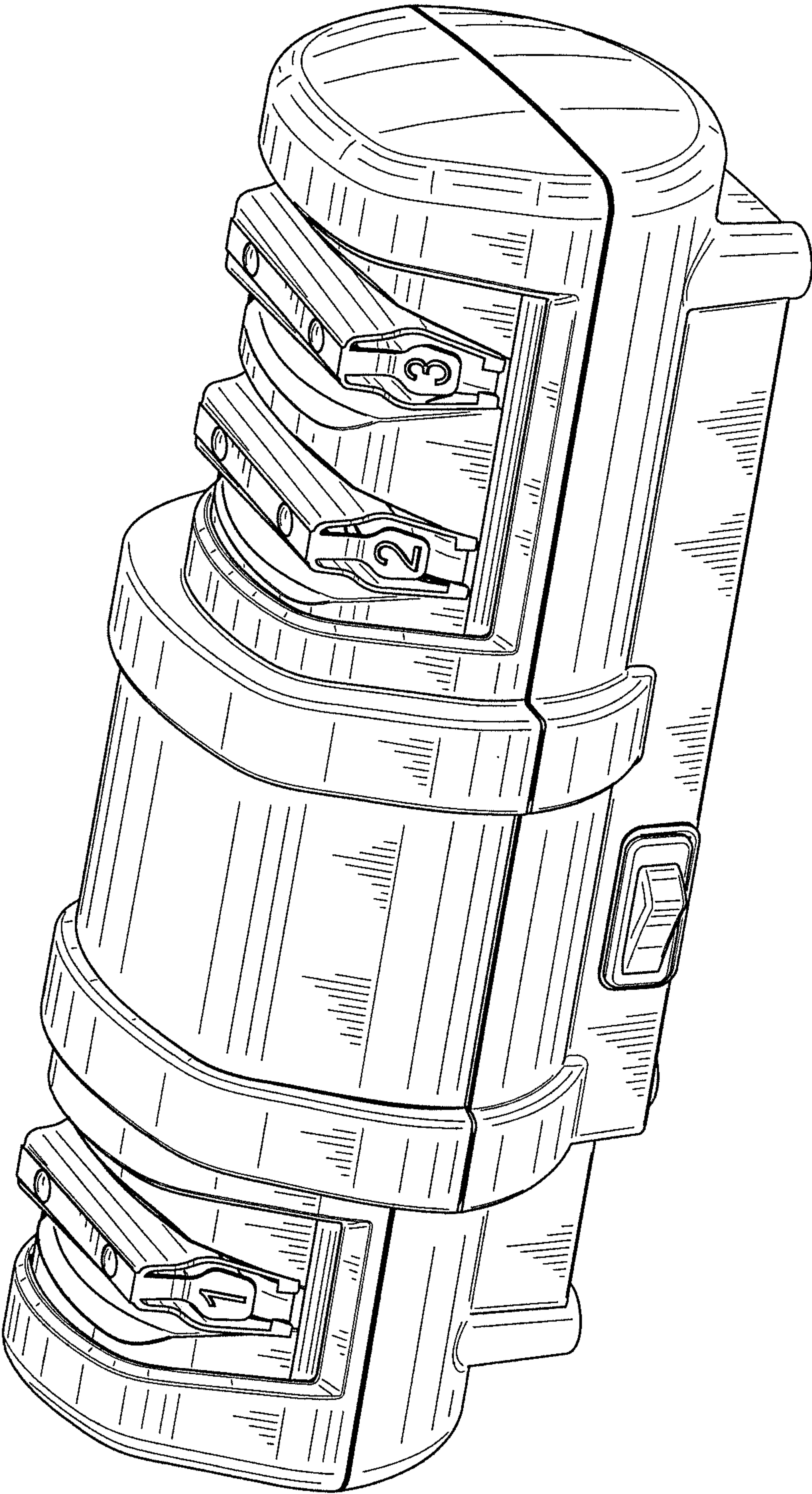


FIG. 1

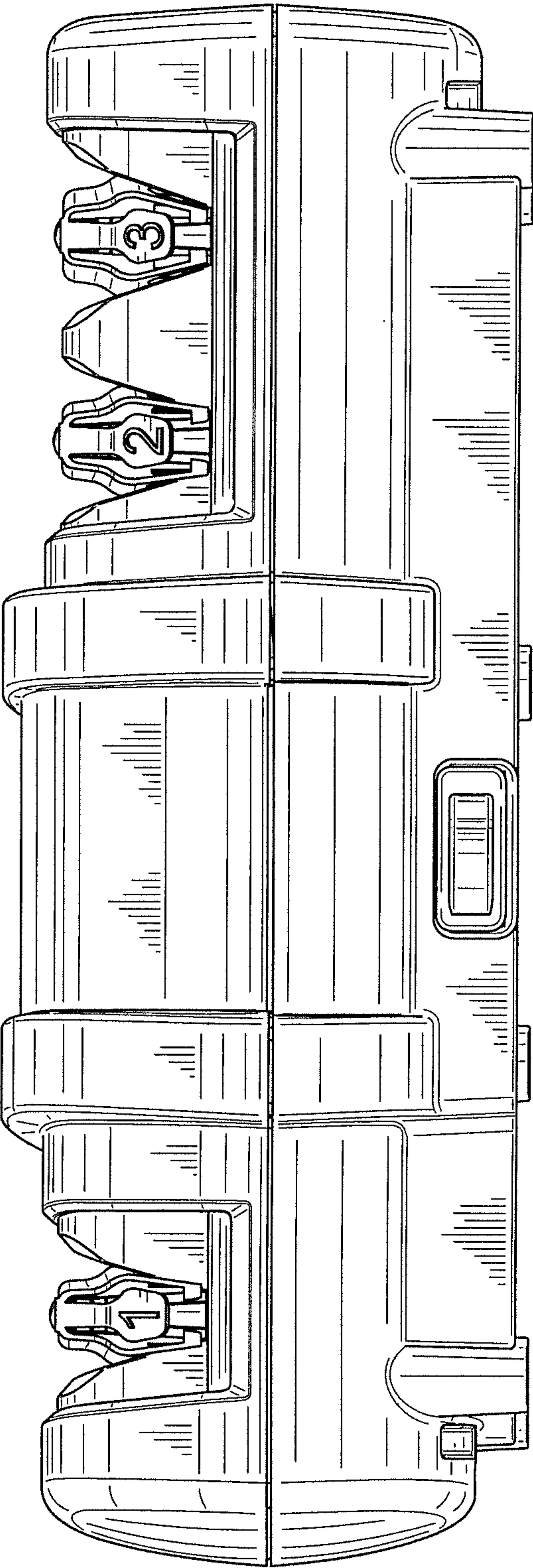


FIG. 2

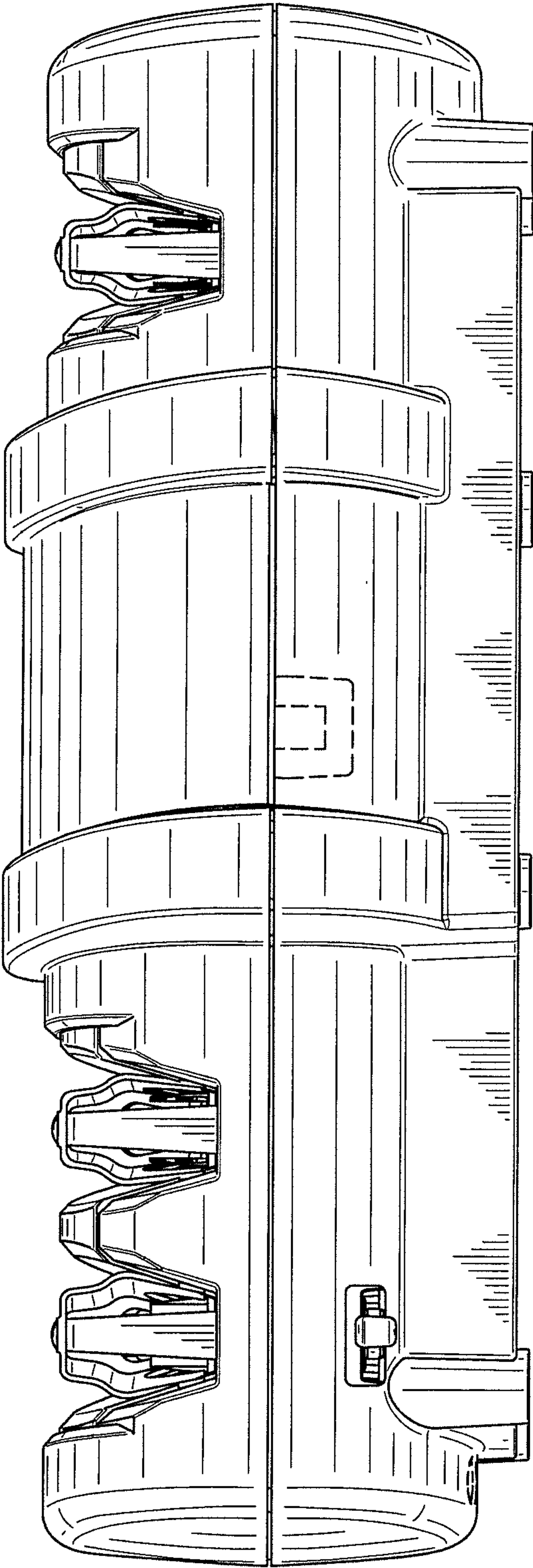


FIG. 3

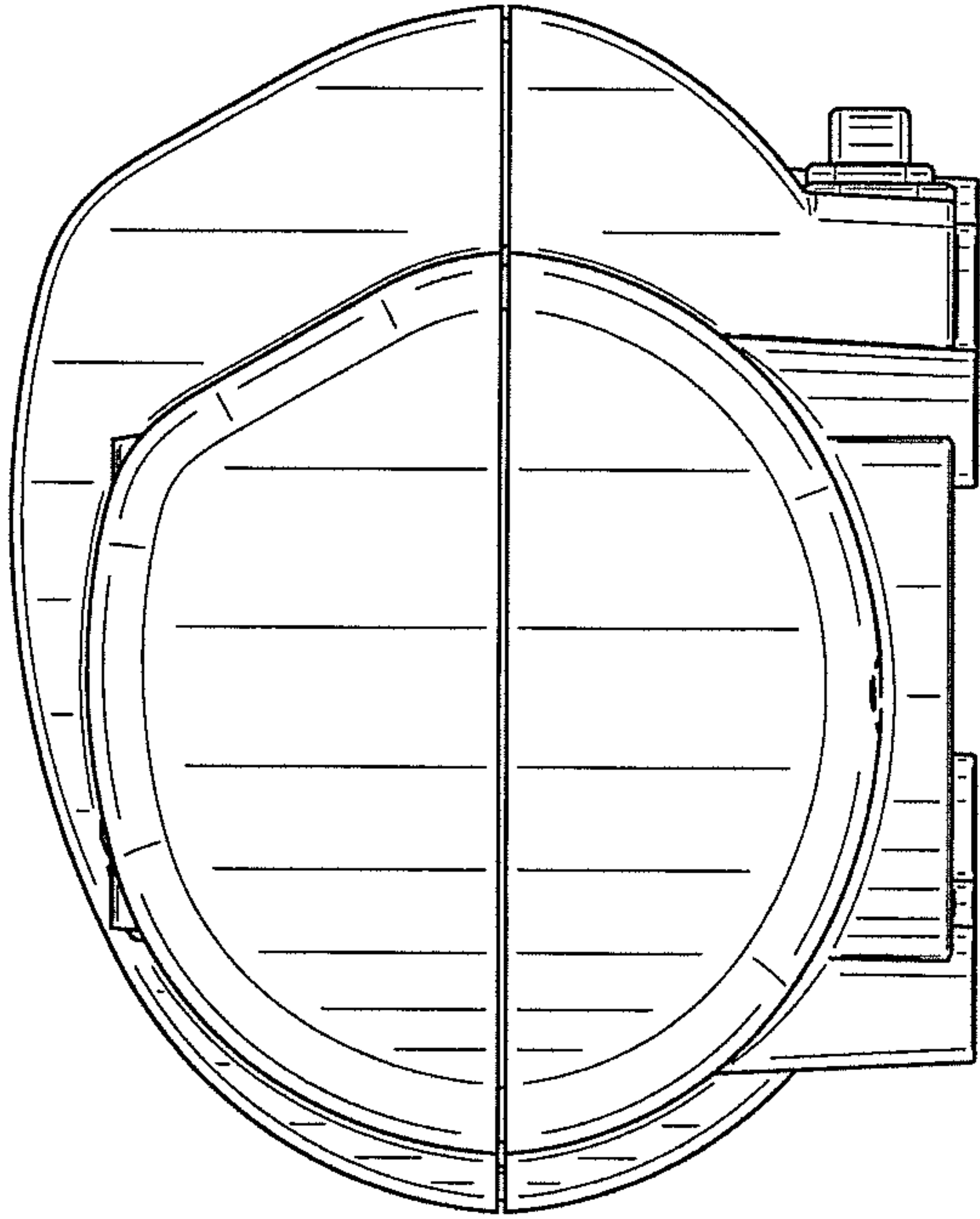


FIG. 5

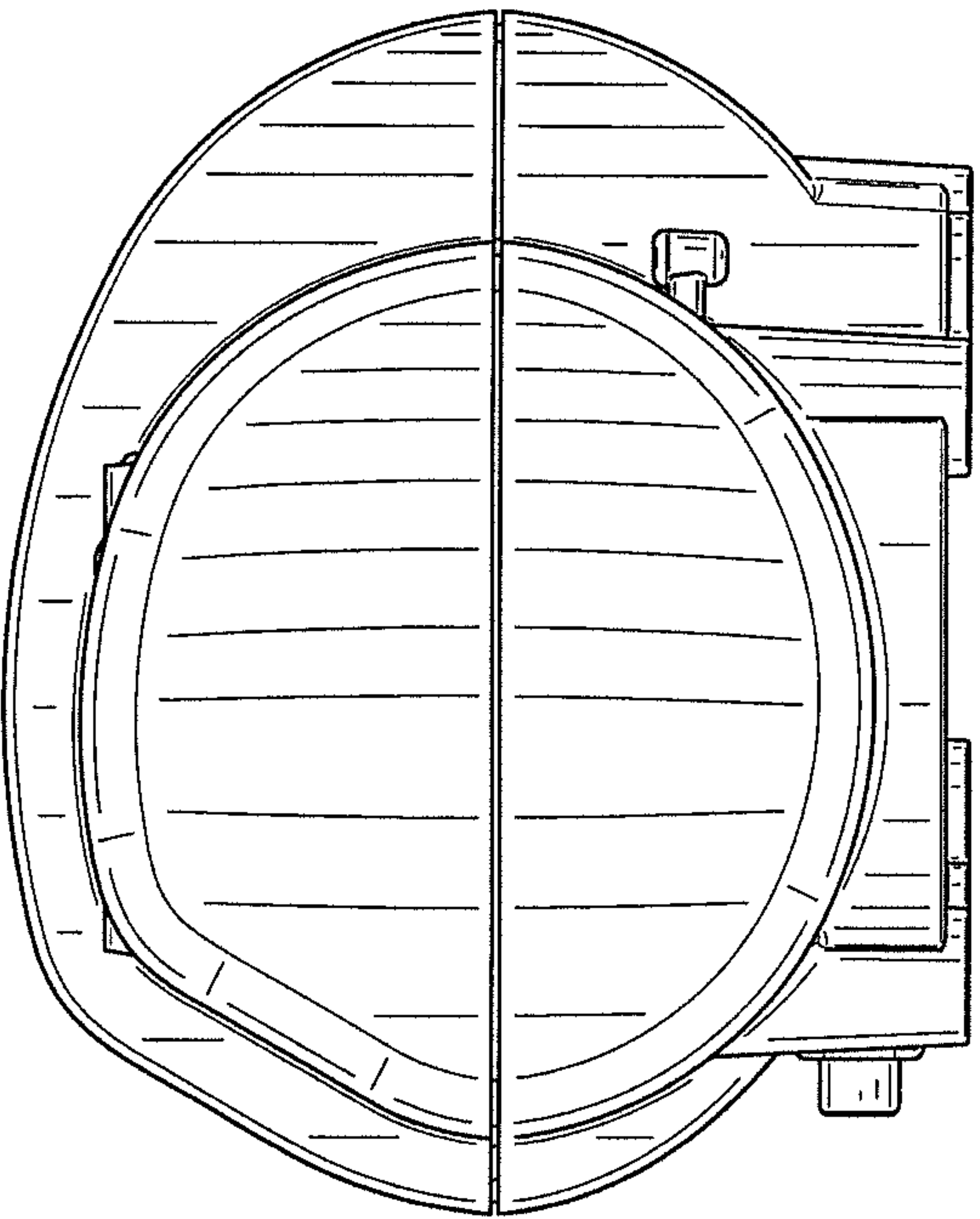


FIG. 4

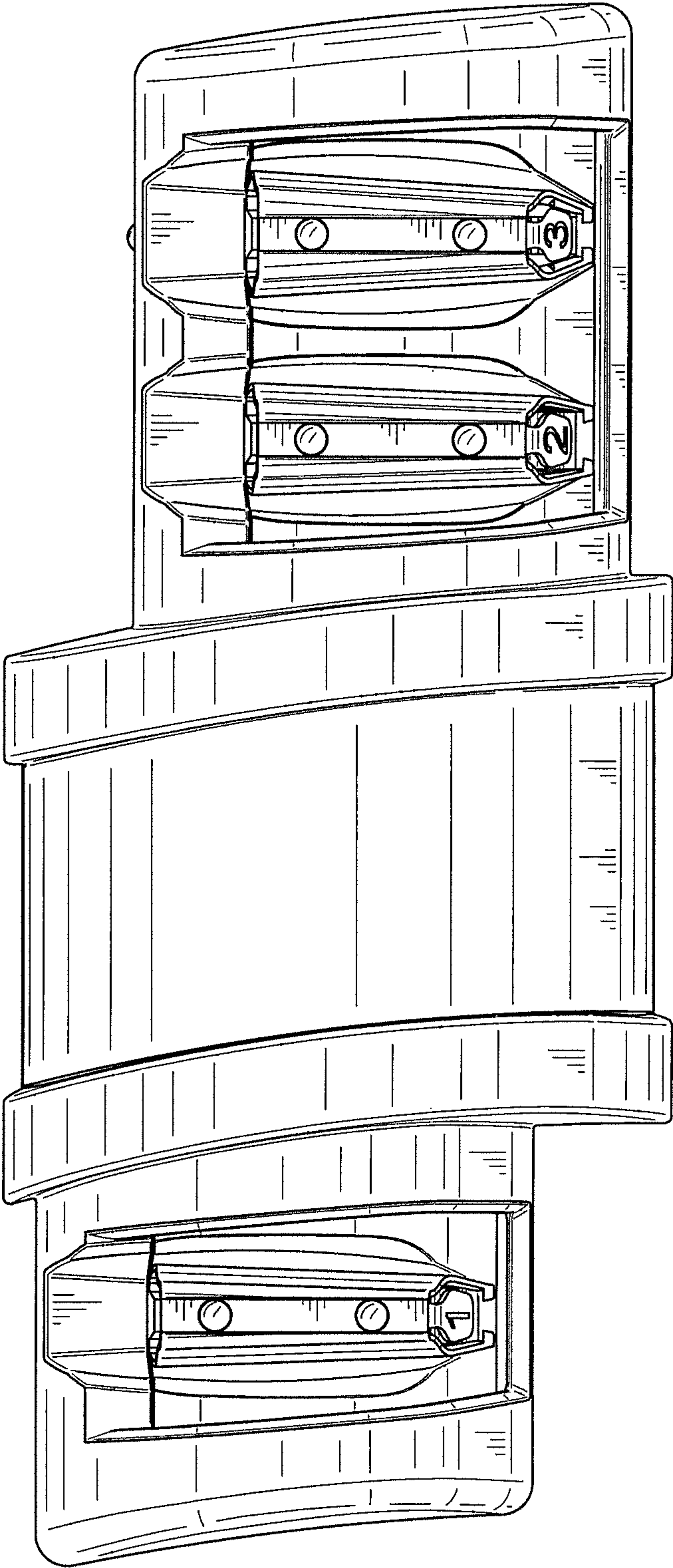


FIG. 6

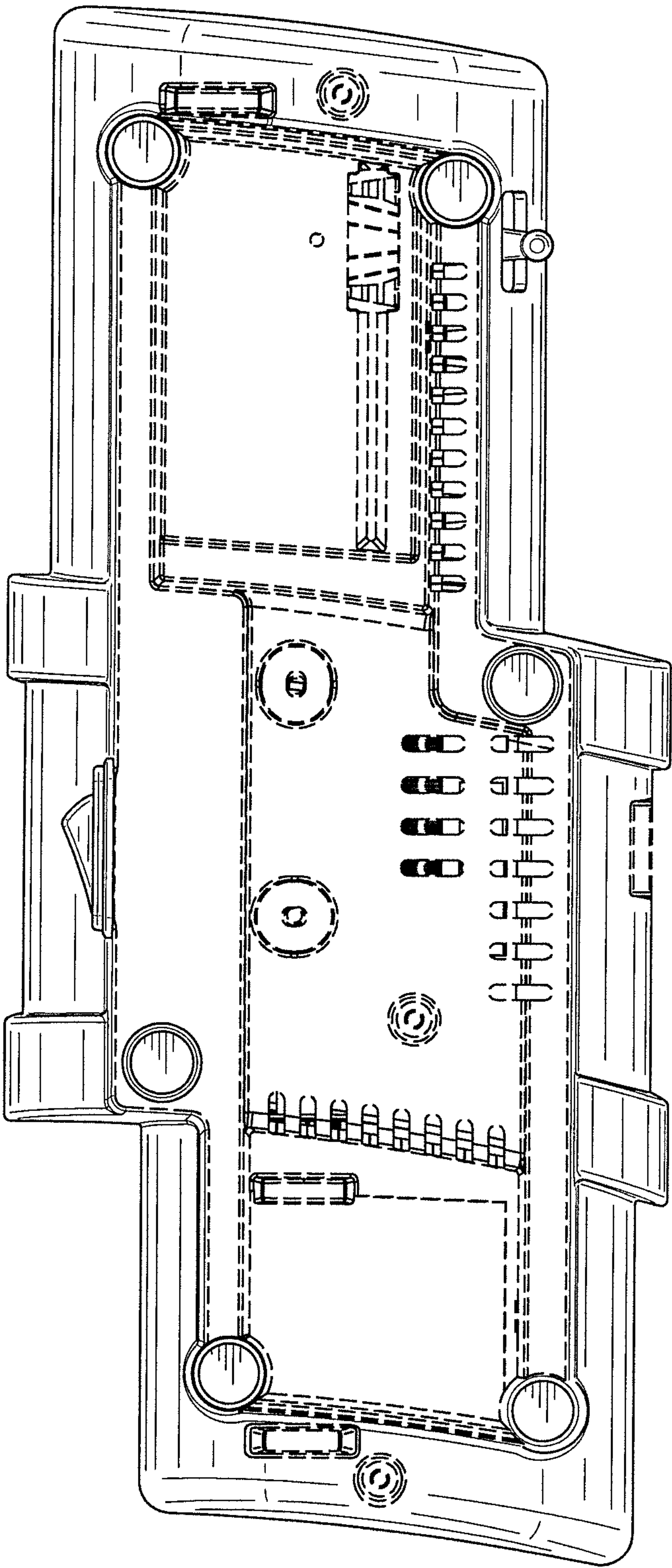


FIG. 7