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

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(54) **SOLAR ARRAY**

(75) Inventors: **Yoshinori Miyazaki**, Inuyama (JP);
Masao Hiramatsu, Inuyama (JP);
Masahito Fujita, Inuyama (JP); **Kouki Ozaki**, Inuyama (JP)

(73) Assignee: **Daido Metal Company Ltd.** (JP)

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

(21) Appl. No.: **29/357,065**

(22) Filed: **Mar. 5, 2010**

(30) **Foreign Application Priority Data**

Sep. 8, 2009	(JP)	2009-020721
Sep. 24, 2009	(JP)	2009-021872
Sep. 24, 2009	(JP)	2009-021873
Sep. 24, 2009	(JP)	2009-021874

(51) **LOC (9) Cl.** **13-02**

(52) **U.S. Cl.** **D13/102**

(58) **Field of Classification Search** D13/102,
D13/101, 184, 199; 52/173.3; 126/623,
126/624; 136/206, 244-251, 256, 291, 292
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,063,963 A * 12/1977 Bond, Jr. 136/244

(Continued)

Primary Examiner—Prabhakar Deshmukh

Assistant Examiner—Derrick Holland

(74) *Attorney, Agent, or Firm*—SAIDMAN DesignLaw Group

(57) **CLAIM**

The ornamental design for a solar array, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a solar array showing our new design in a first position;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a right side view thereof;

FIG. 8 is a perspective view, showing the solar array in a second position;

FIG. 9 is a top view thereof;

FIG. 10 is a bottom view thereof;

FIG. 11 is a front view thereof;

FIG. 12 is a rear view thereof;

FIG. 13 is a left side view thereof;

FIG. 14 is a right side view thereof;

FIG. 15 is a perspective view, showing the solar array in a third position;

FIG. 16 is a top view thereof;

FIG. 17 is a bottom view thereof;

FIG. 18 is a front view thereof;

FIG. 19 is a rear view thereof;

FIG. 20 is a left side view thereof;

FIG. 21 is a right side view thereof;

FIG. 22 is a perspective view, showing the solar array in a fourth position;

FIG. 23 is a top view thereof;

FIG. 24 is a bottom view thereof;

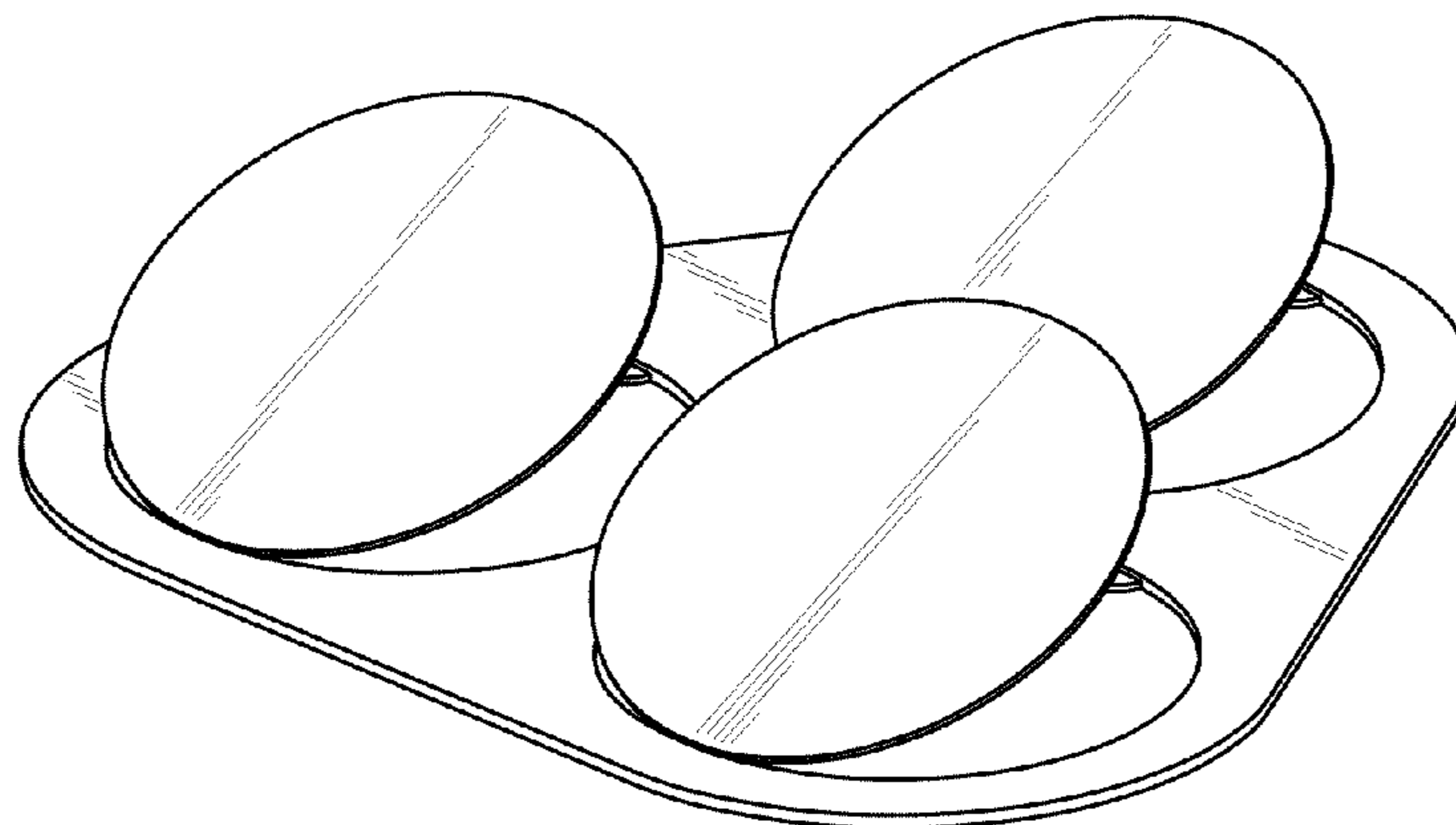
FIG. 25 is a front view thereof;

FIG. 26 is a rear view thereof; and,

FIG. 27 is a left side view thereof, the right side view being a mirror image.

The illustrated positions of the solar array of our design are understood to be exemplary of possible alternate positions.

1 Claim, 10 Drawing Sheets



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U.S. PATENT DOCUMENTS

D262,307 S *	12/1981	Parlato	D13/102	D555,083 S *	11/2007	Sharma et al.	D13/102
4,474,172 A *	10/1984	Burke	126/598	D555,084 S *	11/2007	Sharma et al.	D13/102
4,565,185 A *	1/1986	Mori	126/577	D564,443 S *	3/2008	Moore	D13/102
D303,244 S *	9/1989	Hanak	D13/102	D577,332 S *	9/2008	Moore	D13/102
D468,684 S *	1/2003	Shugar	D13/102	2008/0168981 A1 *	7/2008	Cummings et al.	126/600

* cited by examiner

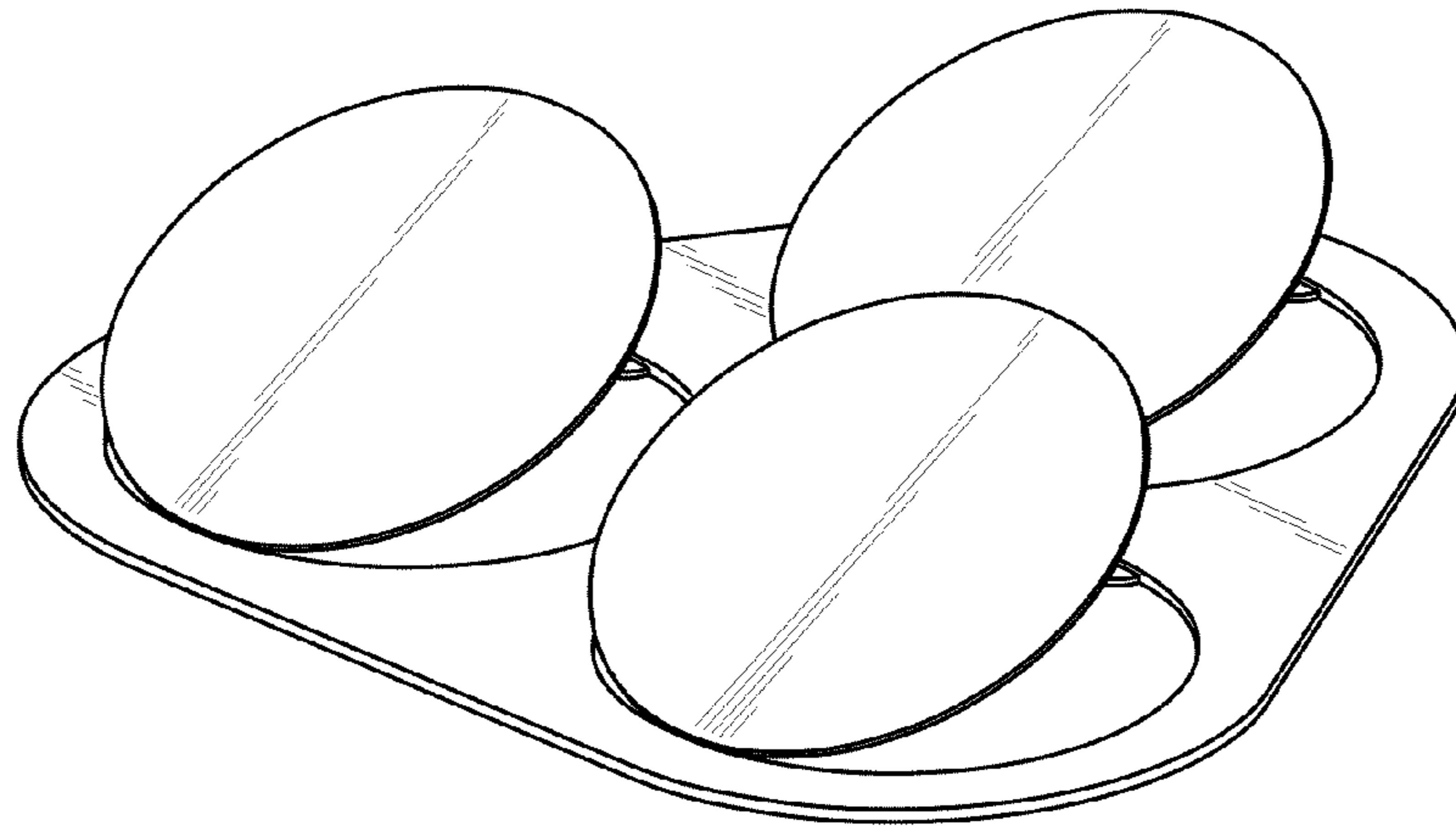


Fig. 1

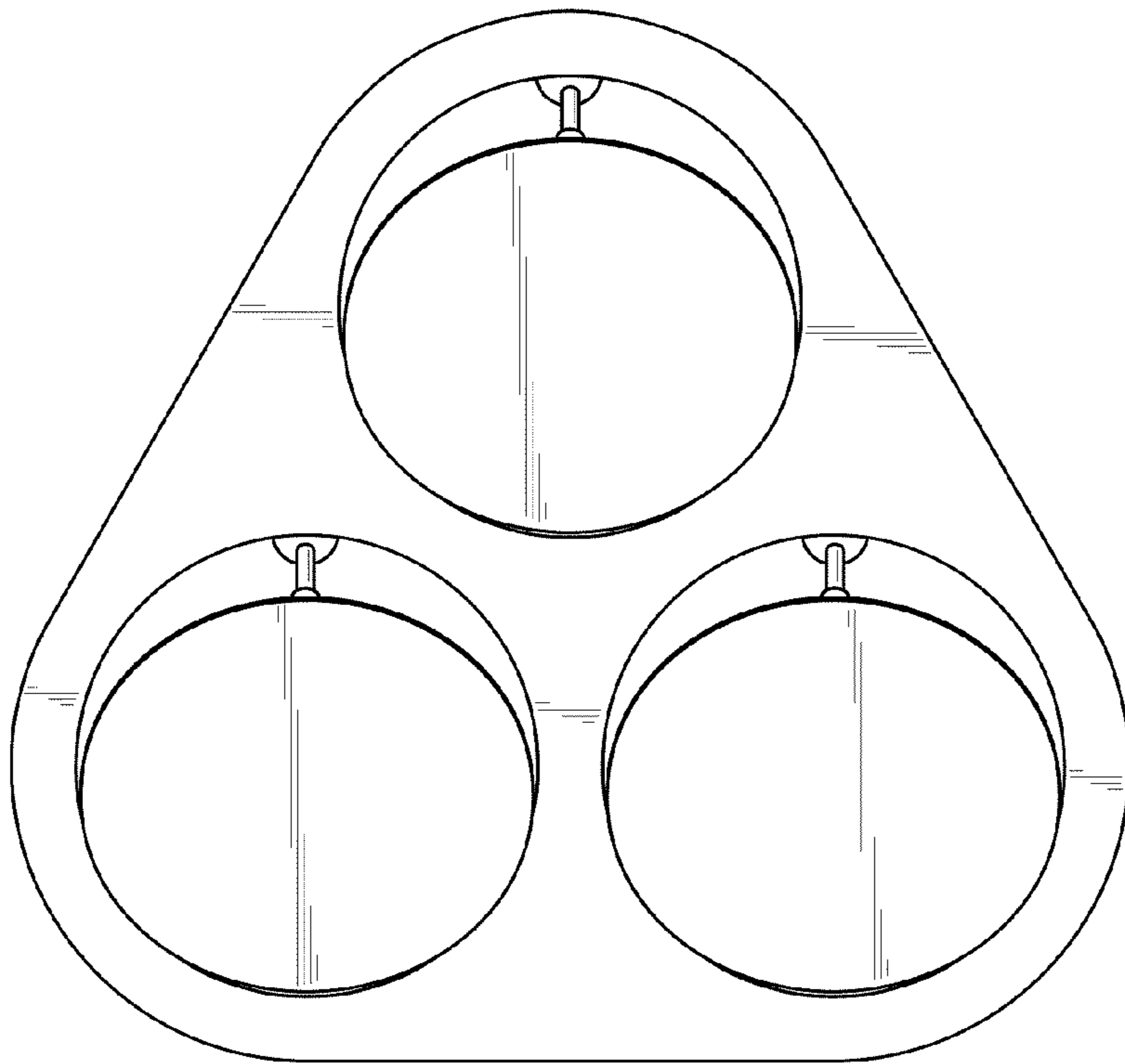


Fig. 2

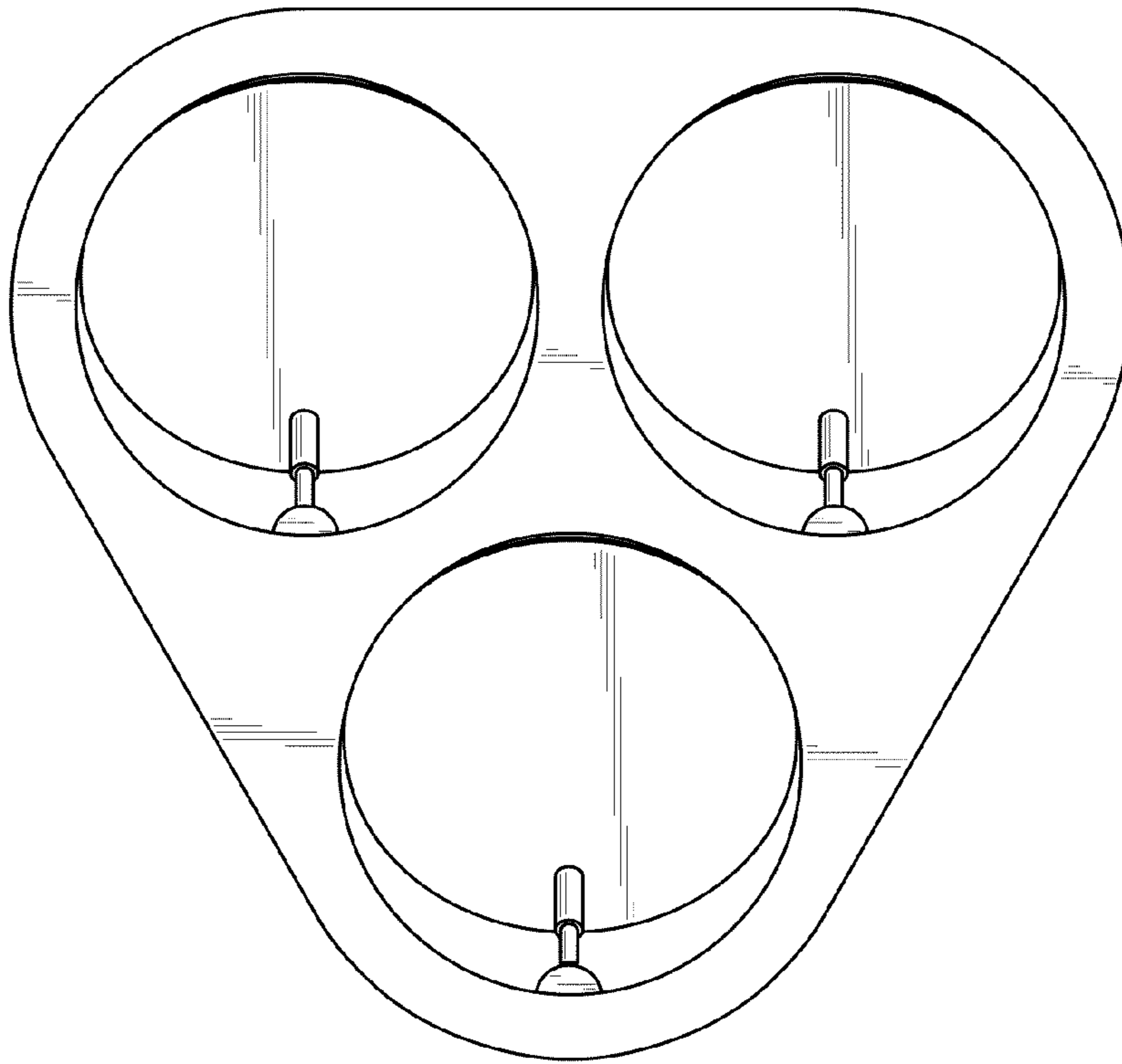


Fig. 3

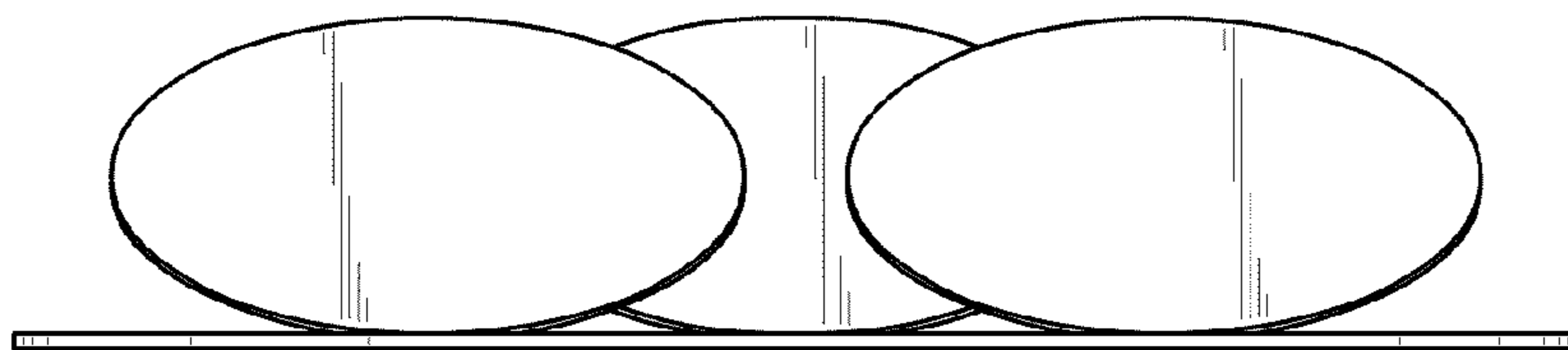


Fig. 4

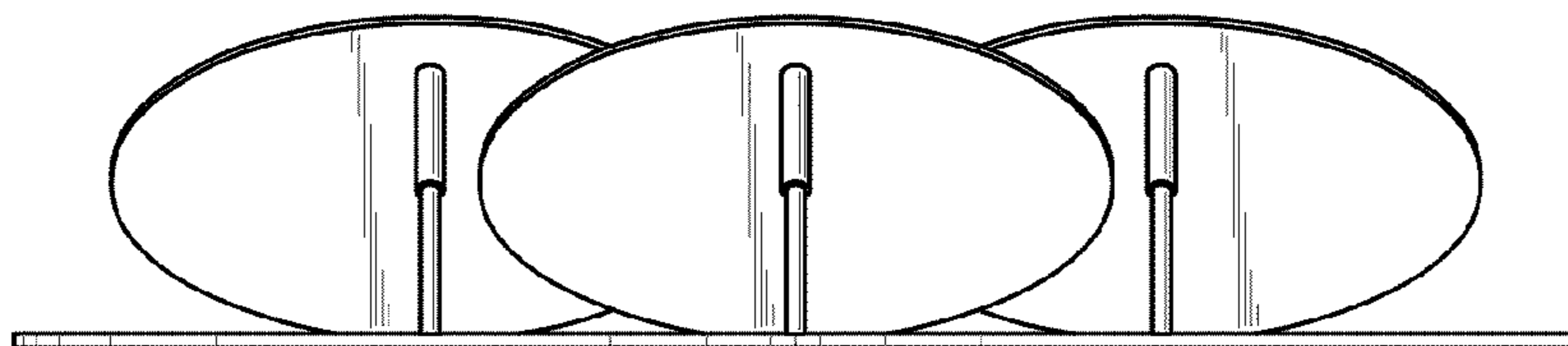


Fig. 5

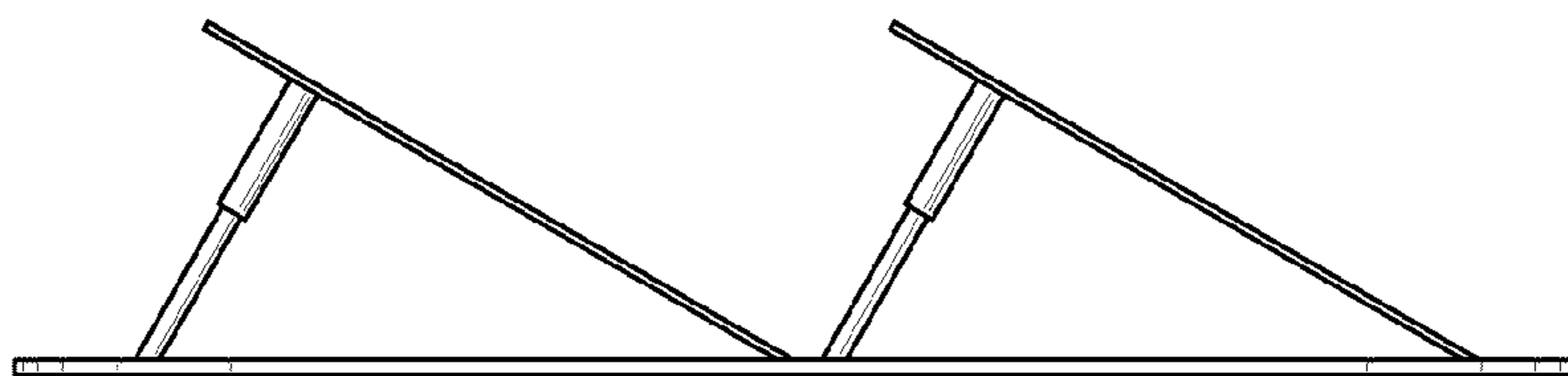


Fig. 6

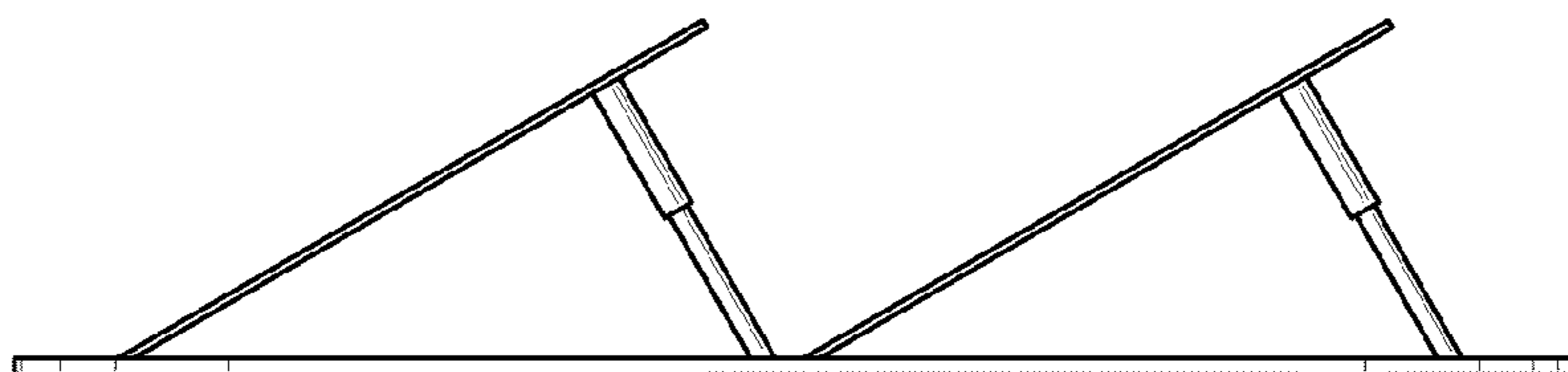


Fig. 7

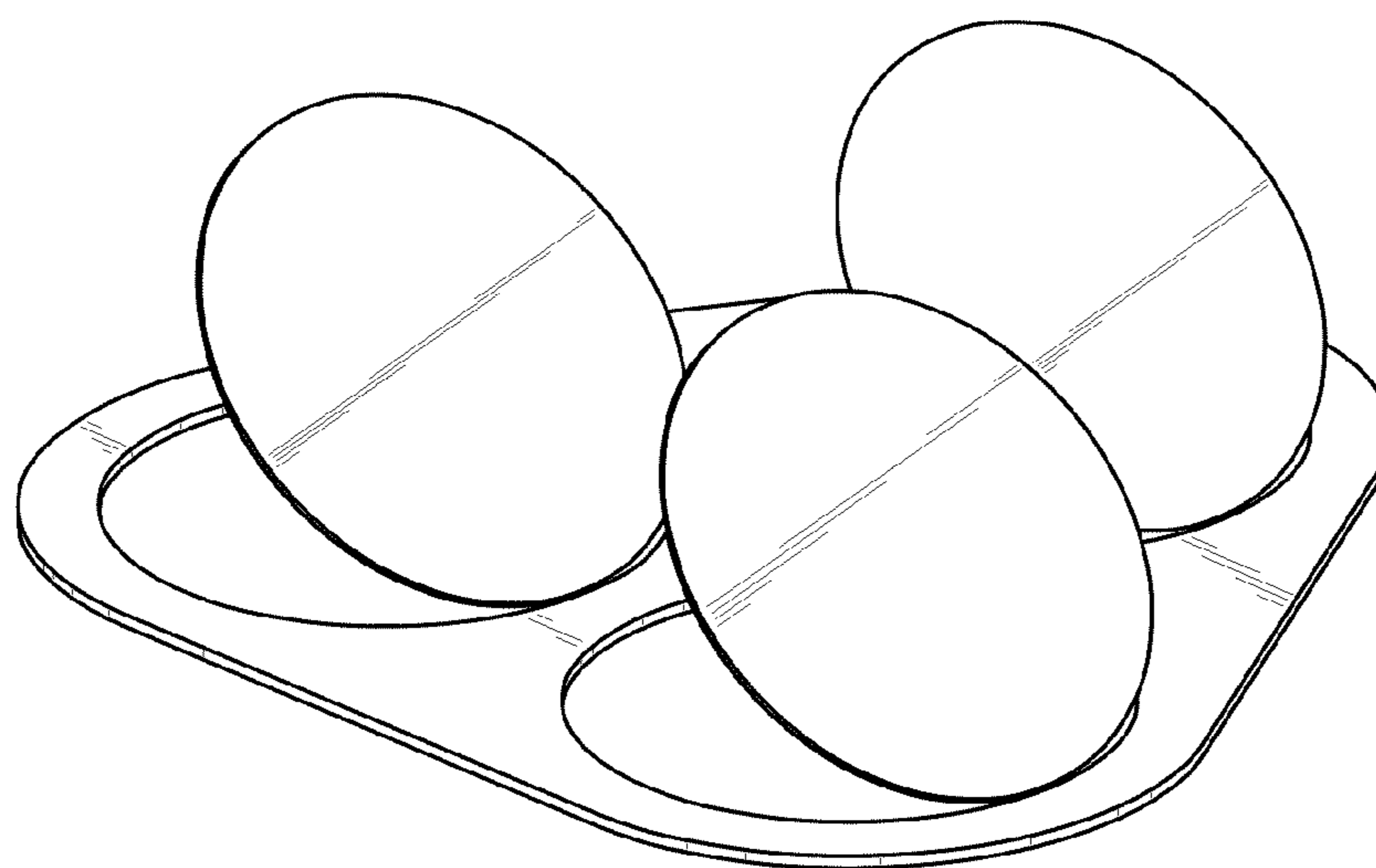


Fig. 8

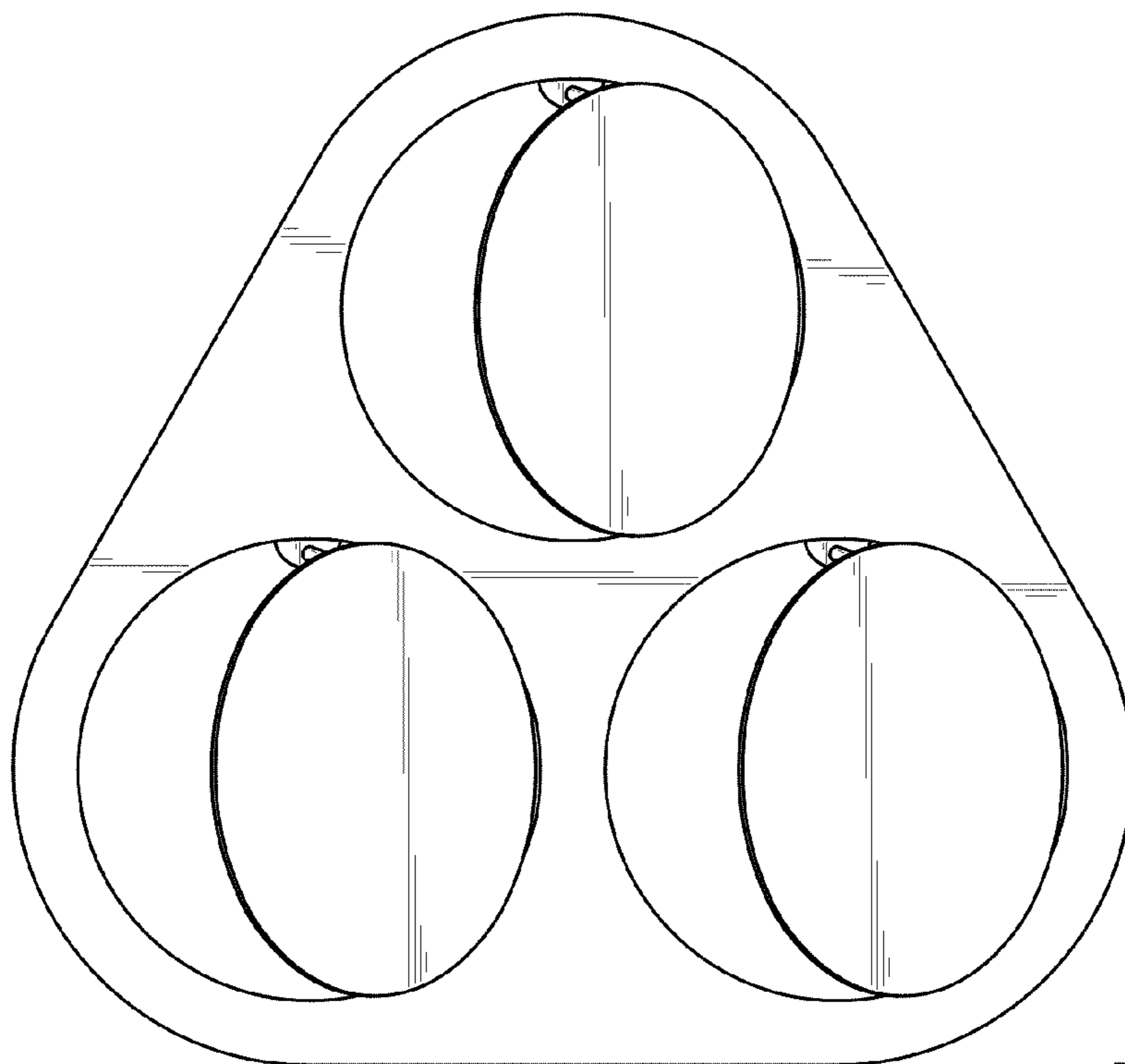


Fig. 9

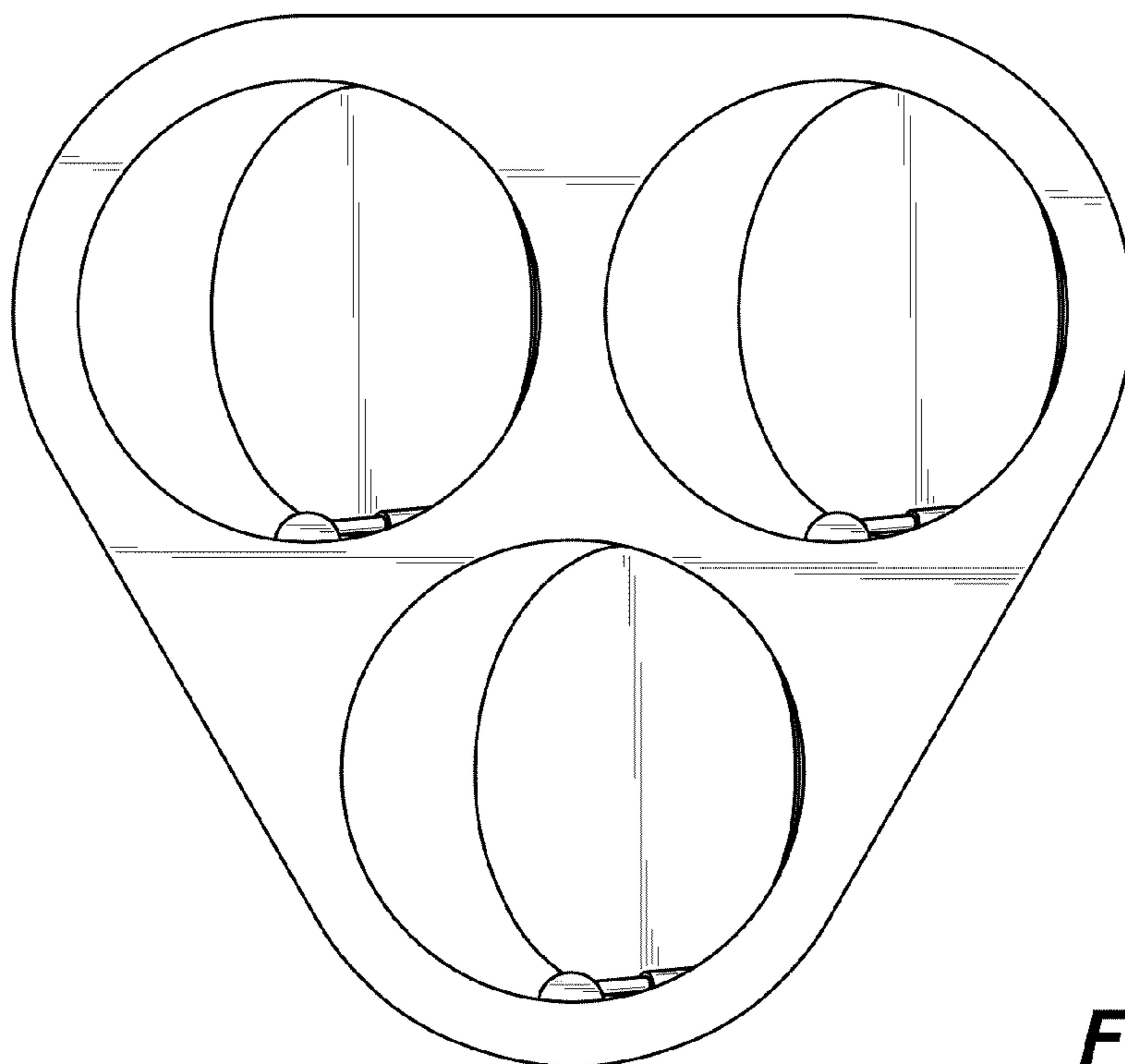


Fig. 10

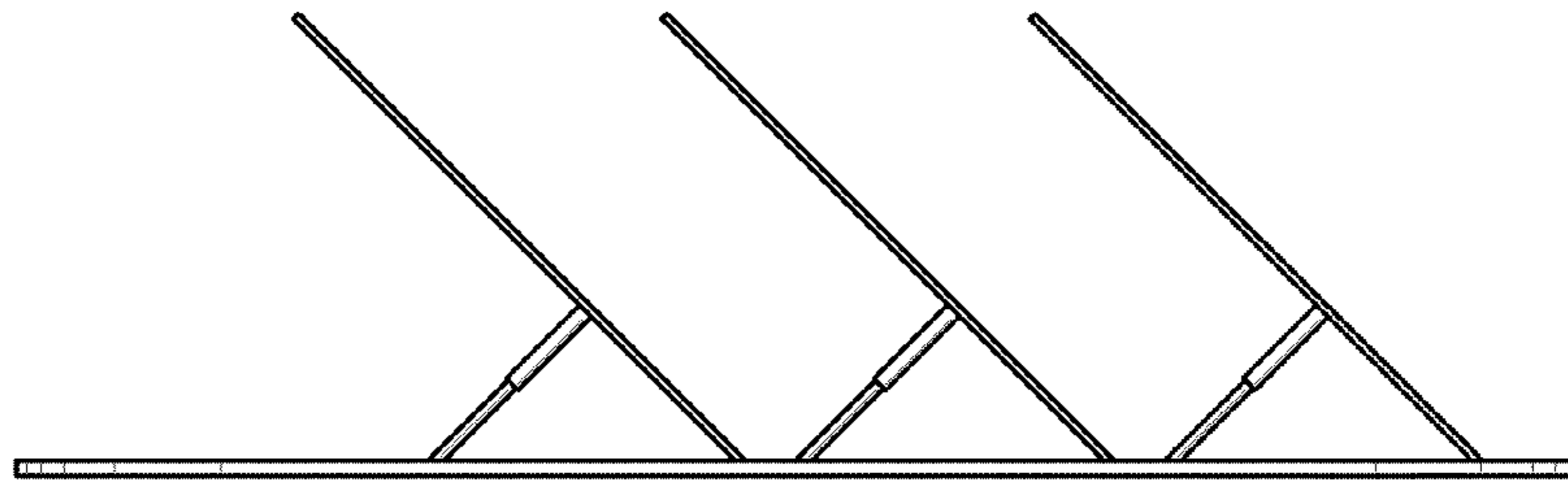


Fig. 11

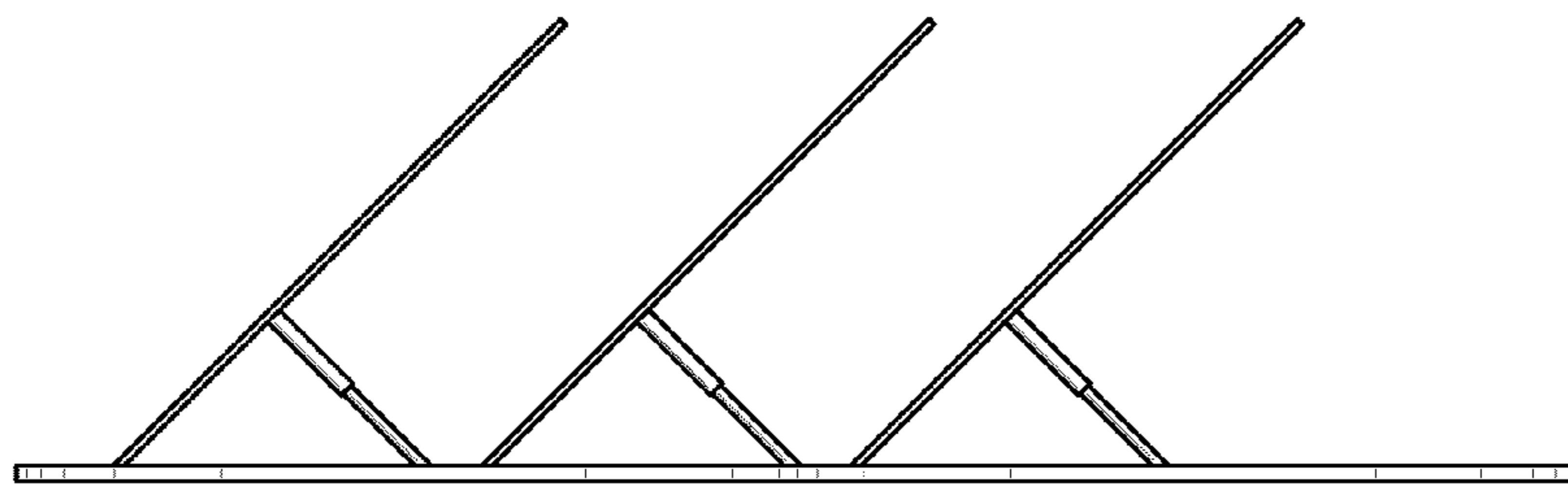


Fig. 12

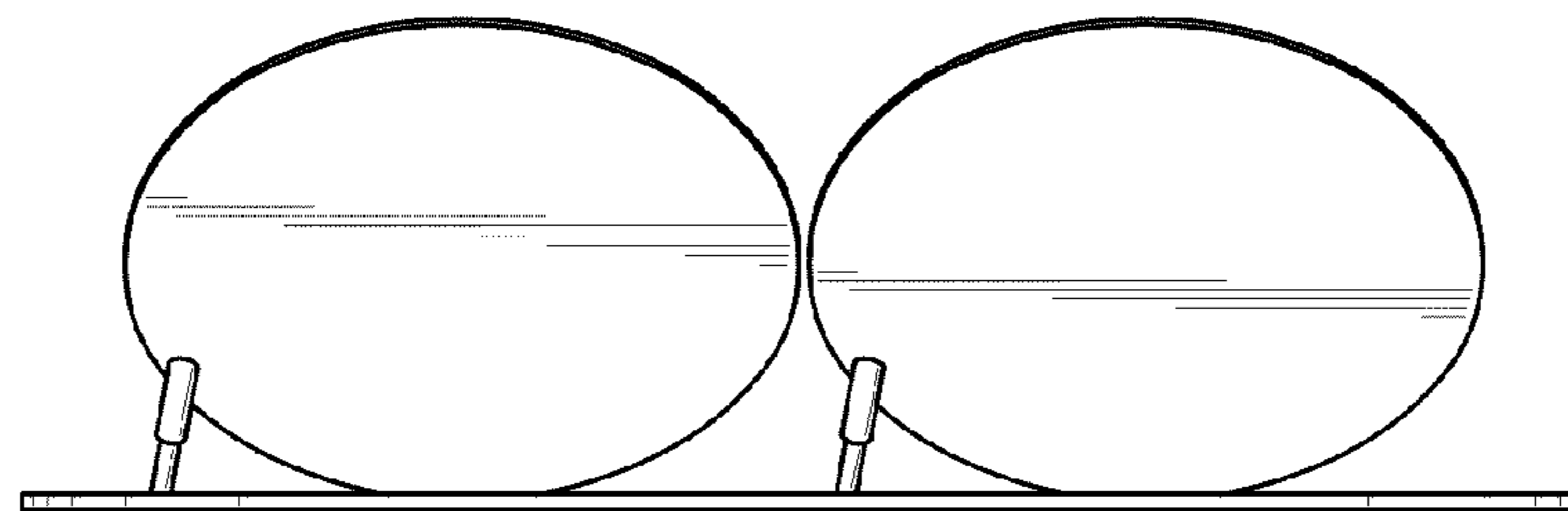


Fig. 13

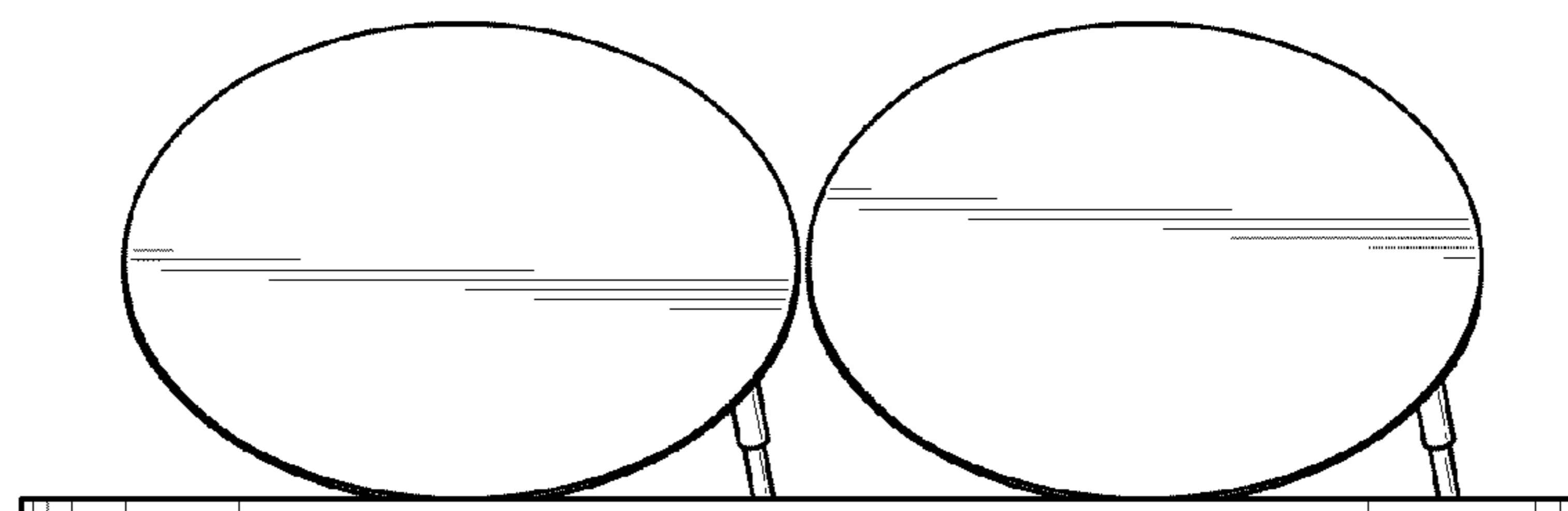


Fig. 14

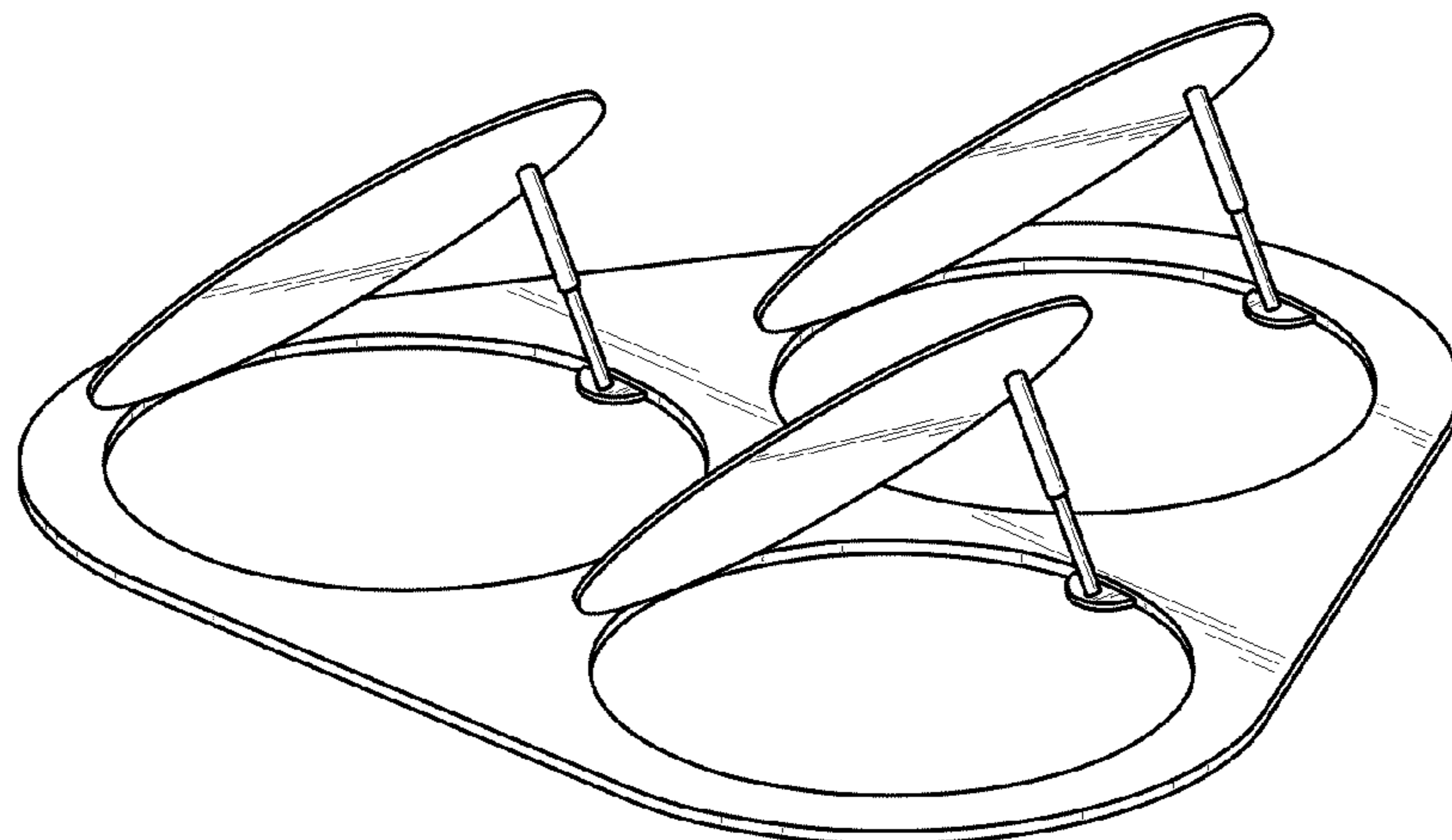


Fig. 15

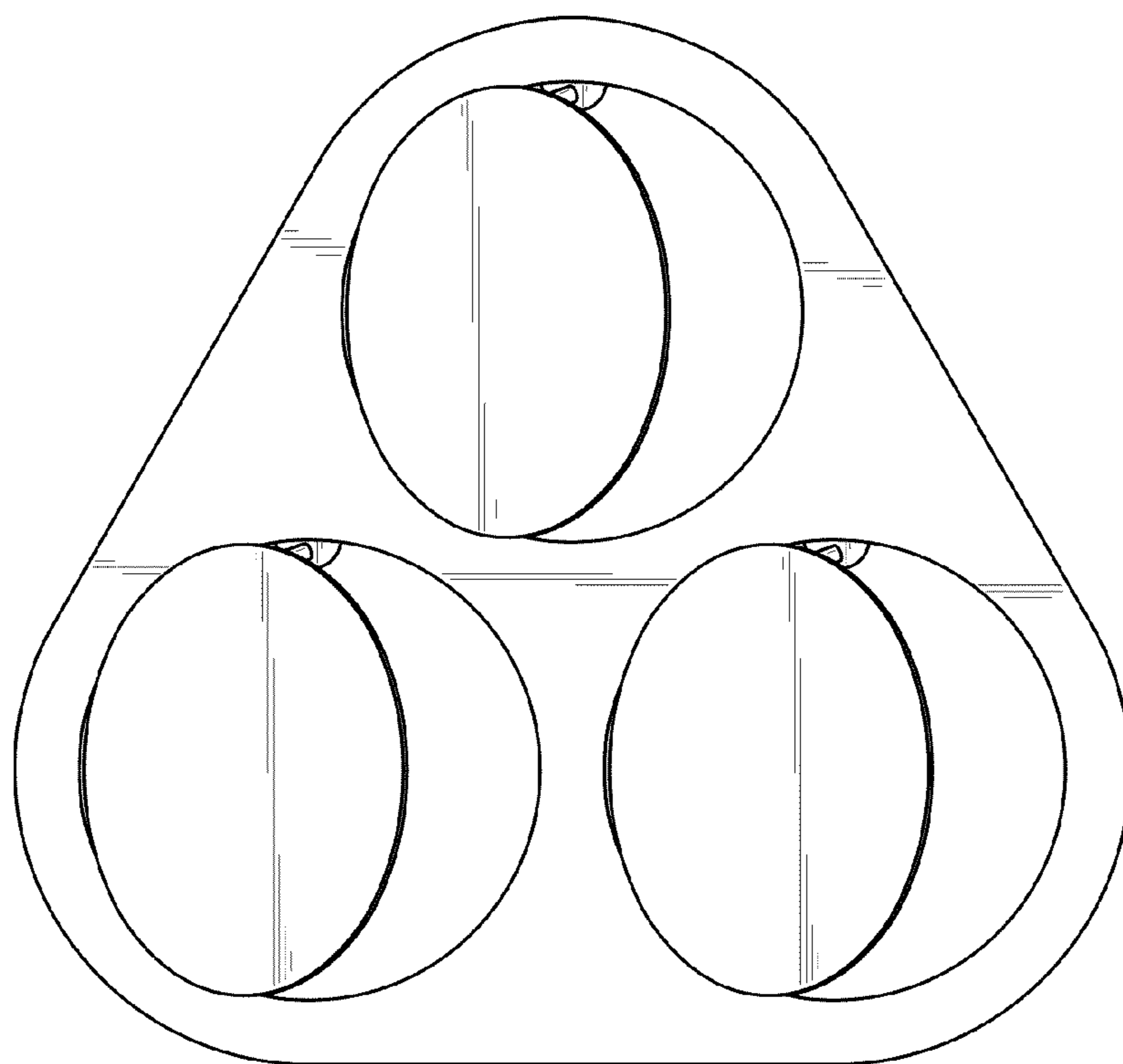


Fig. 16

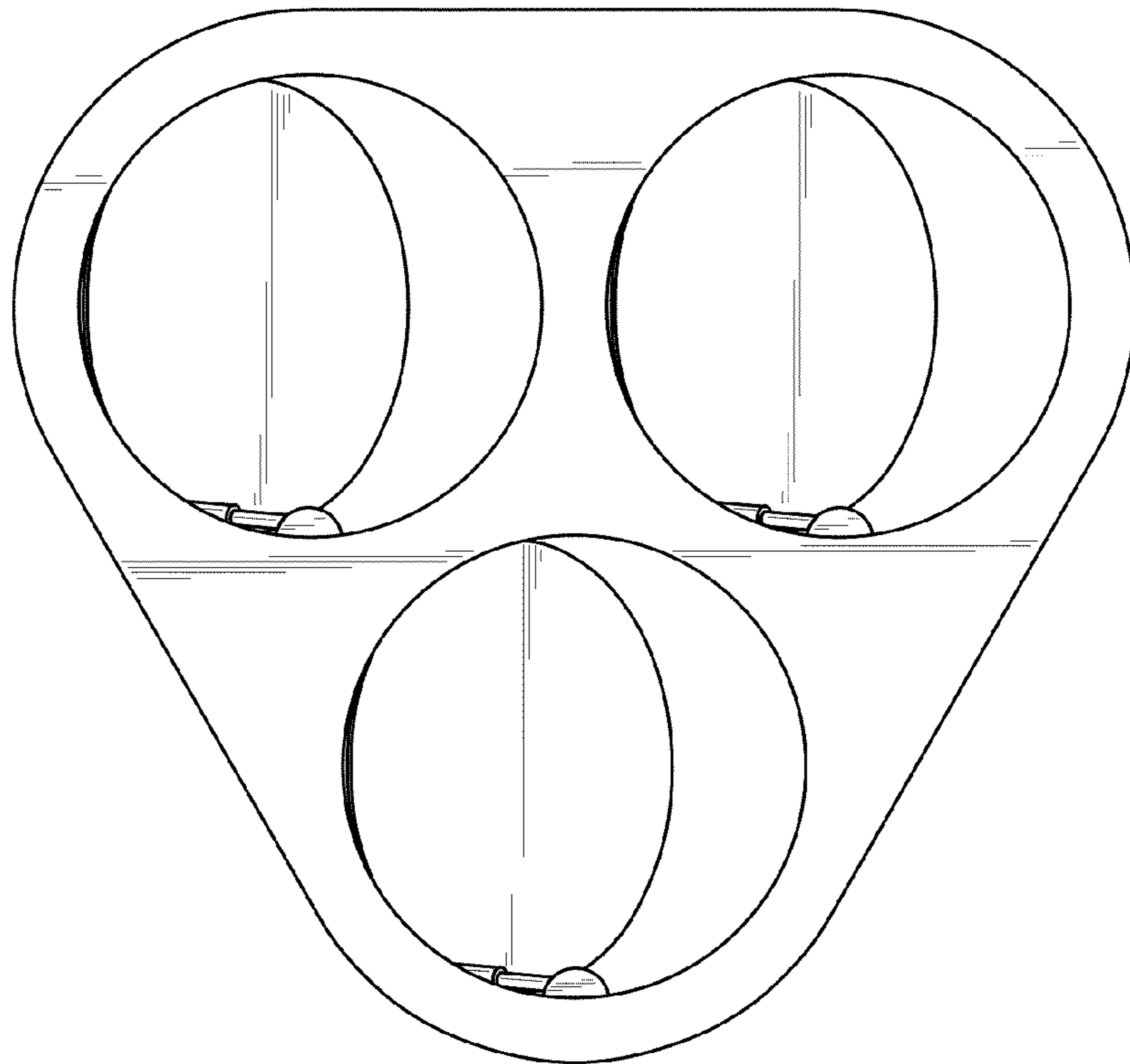


Fig. 17

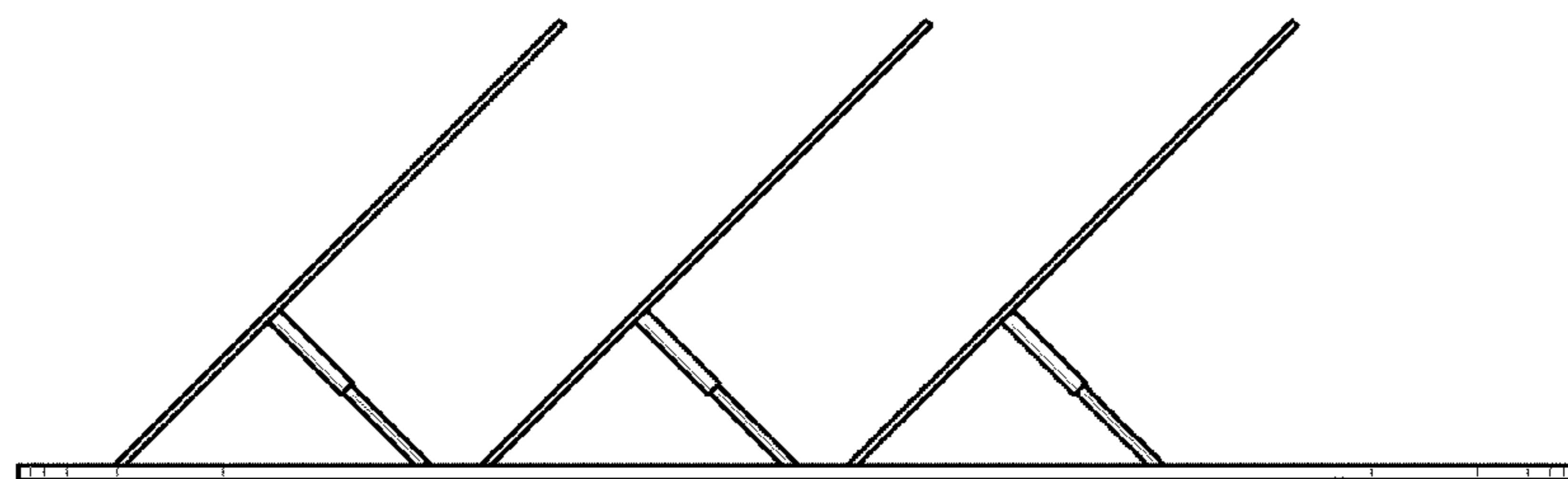


Fig. 18

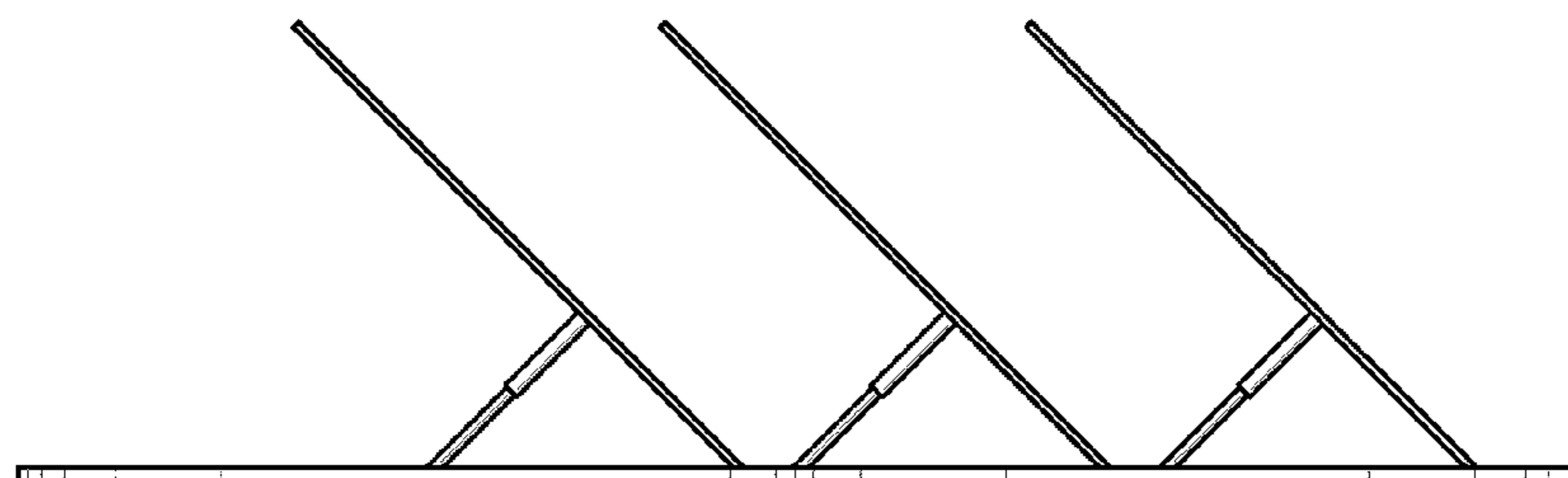


Fig. 19

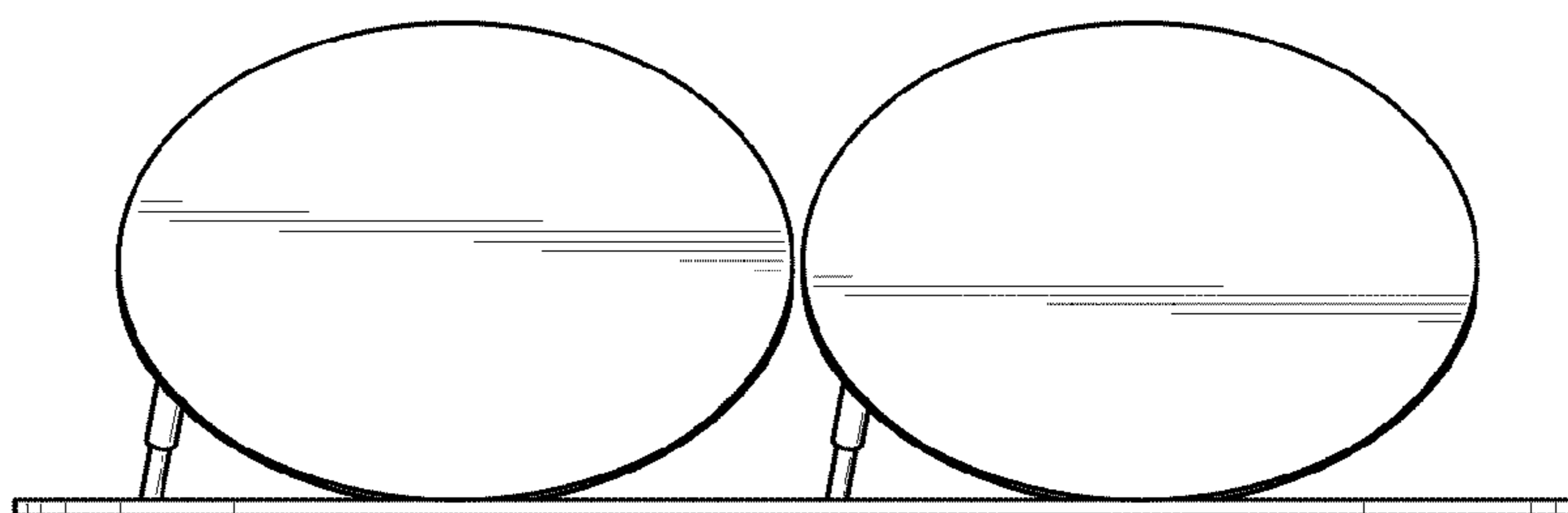


Fig. 20

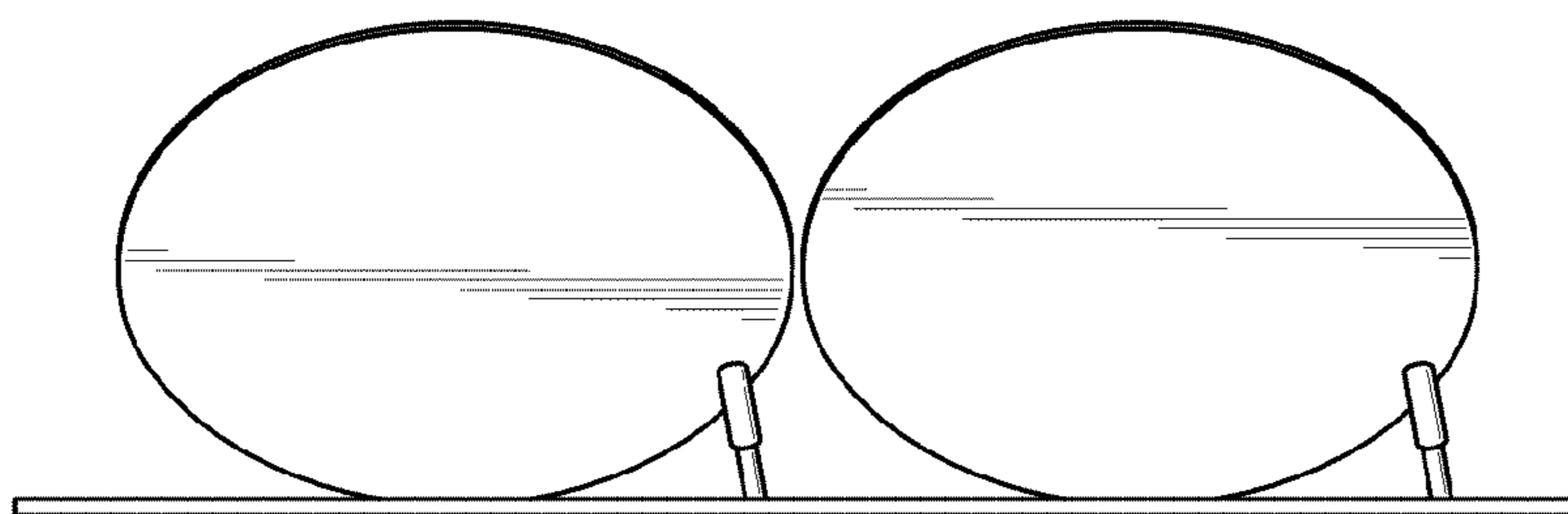


Fig. 21

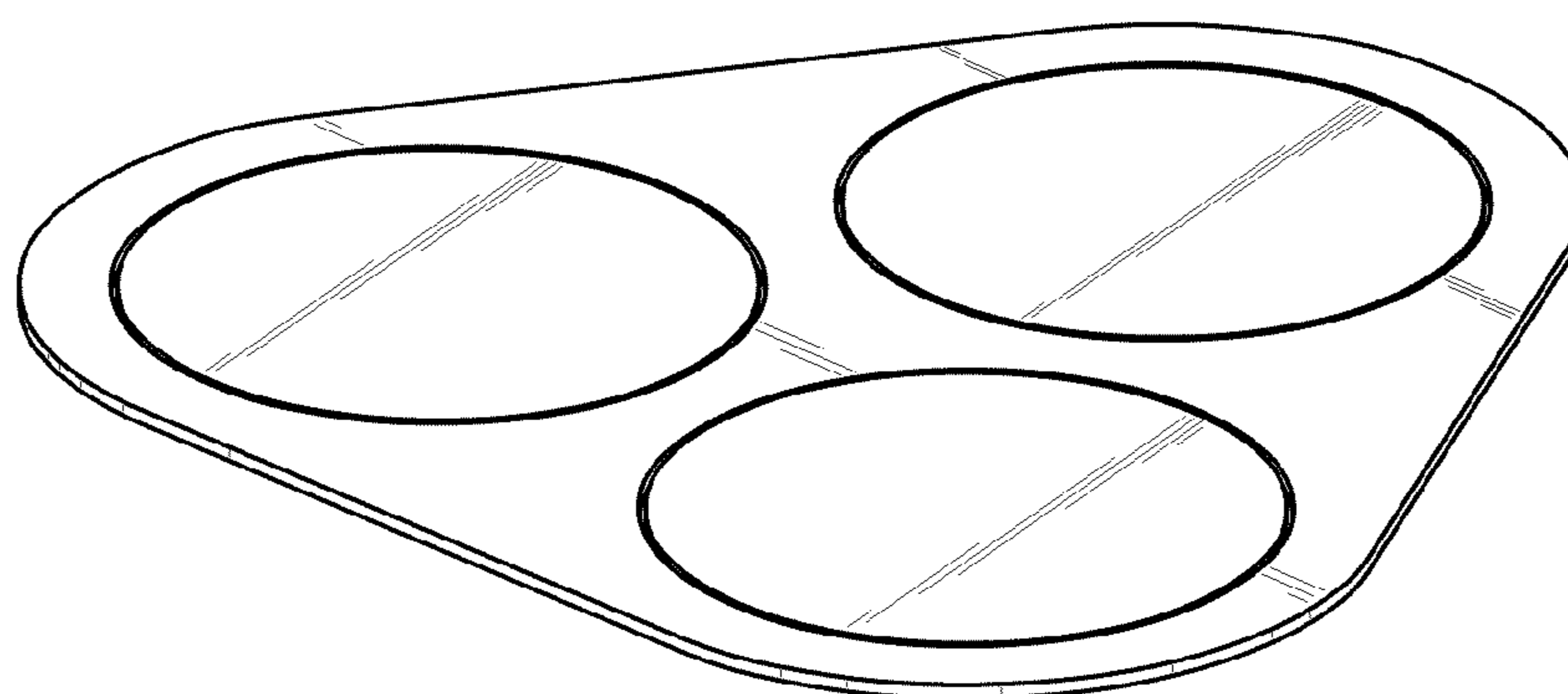


Fig. 22

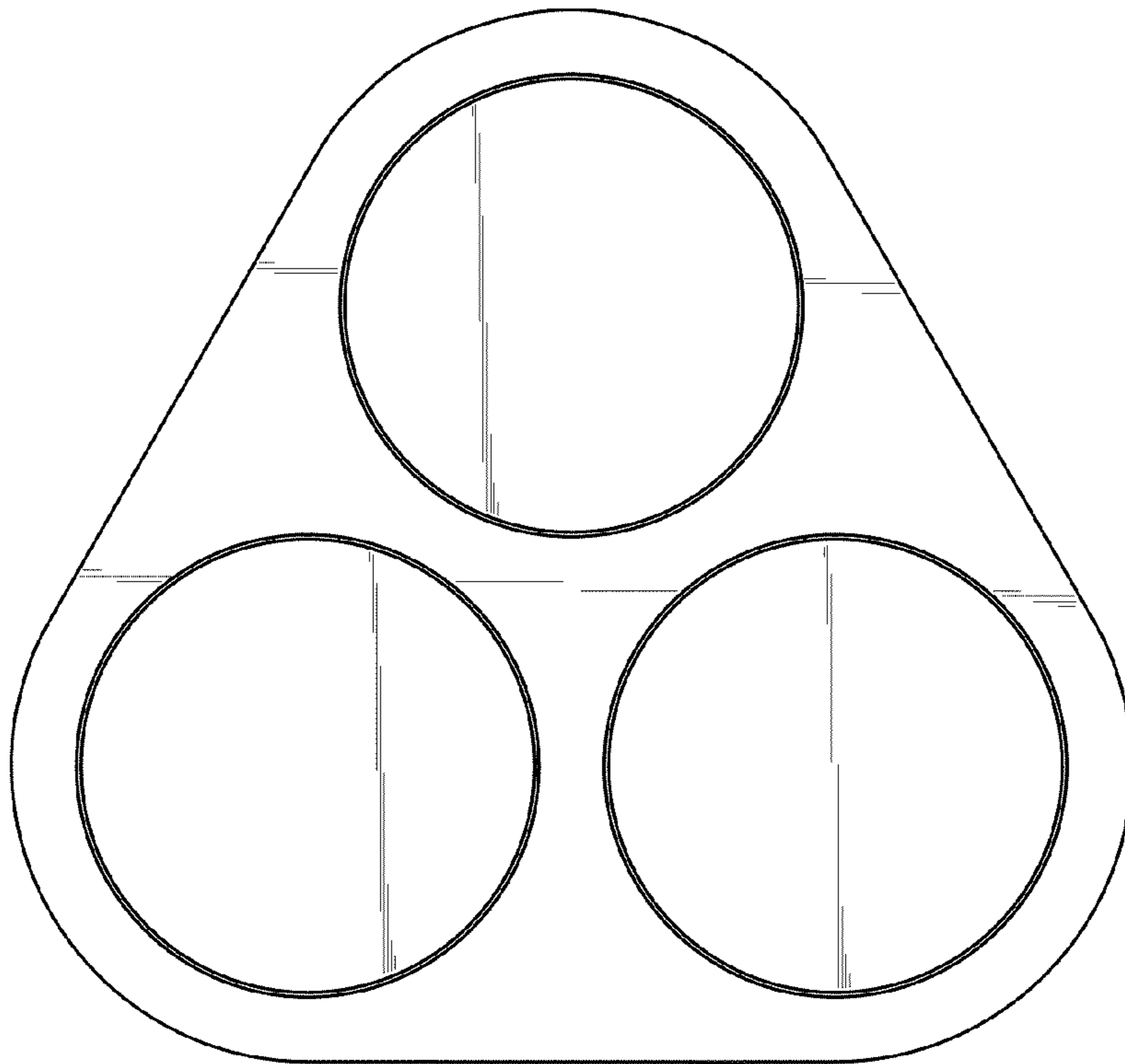


Fig. 23

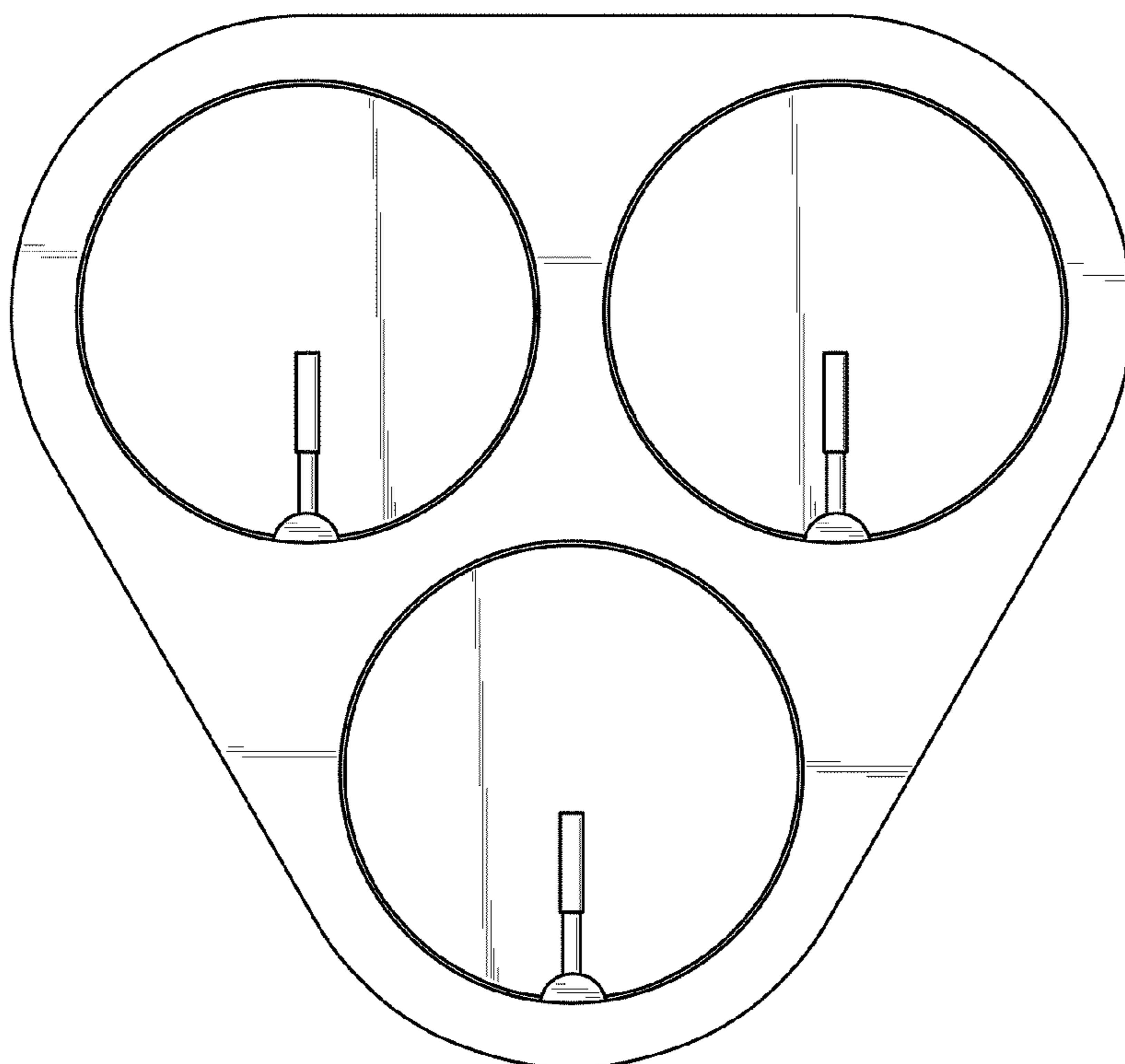


Fig. 24



Fig. 25

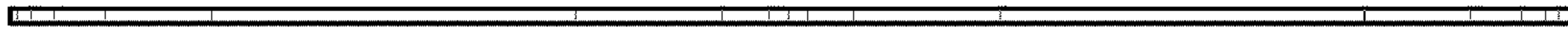


Fig. 26



Fig. 27