



US00D462605S

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

(10) **Patent No.:** **US D462,605 S**

(45) **Date of Patent:** **** *Sep. 10, 2002**

(54) **OPTICAL WAVEGUIDE SPOOL**

(75) Inventors: **Kirk Patton Bumgarner**, Wilmington, NC (US); **Daniel C. Fuccella**, Cary, NC (US); **Michael T. Murphy**, Long Beach, NC (US)

(73) Assignee: **Corning Incorporated**, Corning, NY (US)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/113,760**

(22) Filed: **Nov. 10, 1999**

(51) **LOC (7) Cl.** **08-05**

(52) **U.S. Cl.** **D8/358**

(58) **Field of Search** D8/358; D12/204, D12/206, 208; 242/399, 405.3, 474, 118.4, 608.4

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,387,863 A	6/1983	Edmonston et al.	242/118.4
4,653,331 A	3/1987	Inouye et al.	73/800
4,696,438 A	9/1987	Myers	242/118.41
5,236,145 A	8/1993	Floury et al.	242/116

FOREIGN PATENT DOCUMENTS

EP 0 873 962 A1 10/1988

EP 0 514 858 A2 11/1992

EP 0 662 623 A1 12/1994

EP 0 631 964 A2 1/1995

FR 2531688 8/1982

Primary Examiner—Holly Baynham

(74) *Attorney, Agent, or Firm*—Silvy A. Murphy; Randall S. Wayland

(57) **CLAIM**

The ornamental design for an optical waveguide spool, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an optical waveguide spool showing our new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a side elevational view thereof, having three other sides being a mirror image;

FIG. 4 is a top perspective view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a right side elevational view of the design shown in FIG. 5;

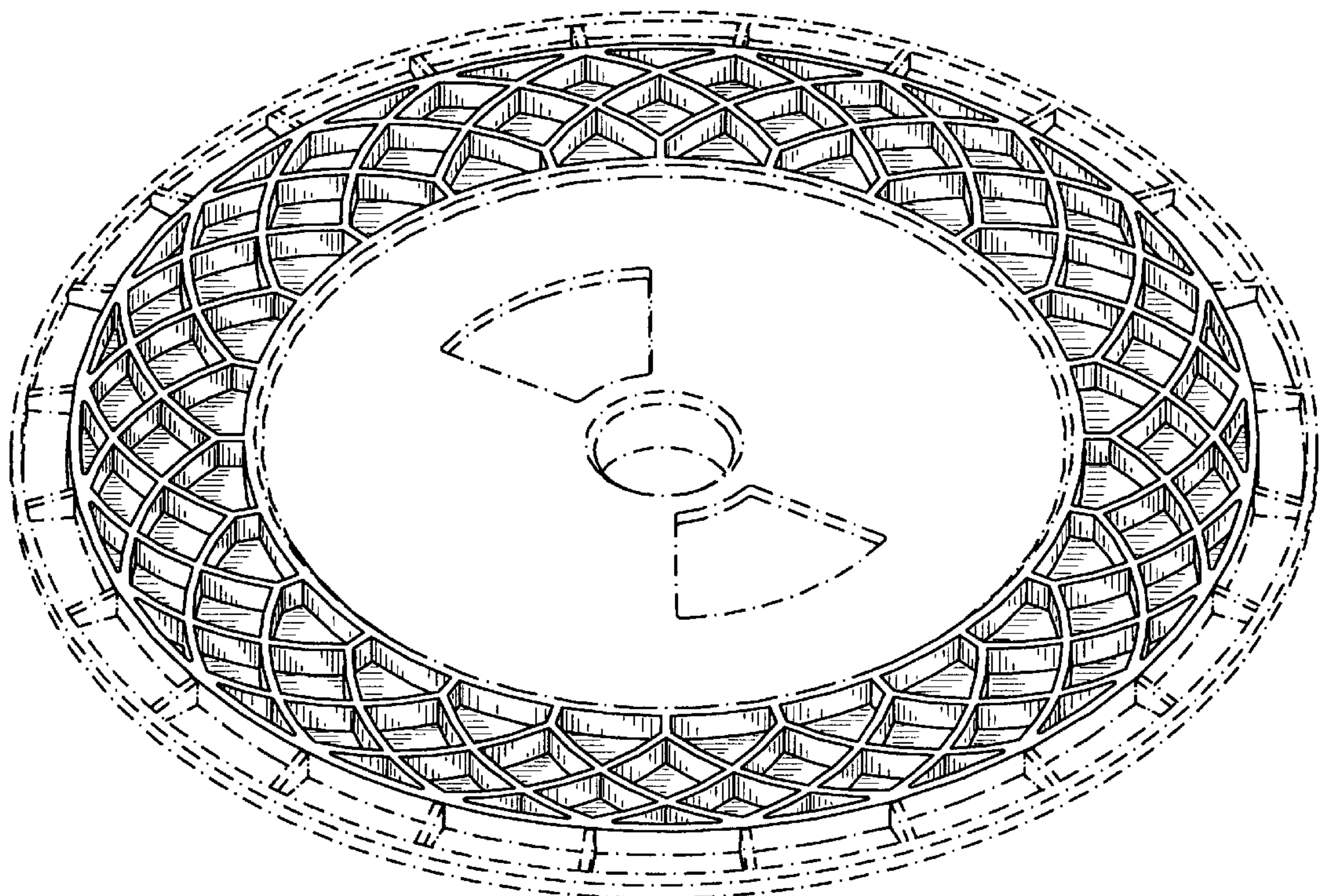
FIG. 7 is a front elevational view thereof;

FIG. 8 is a left side elevational view thereof; and,

FIG. 9 is a rear elevational view thereof.

The broken line showing the optical waveguide spool in FIGS. 1 through 4 is for illustrative purposes only and forms no part of the claimed invention.

1 Claim, 7 Drawing Sheets



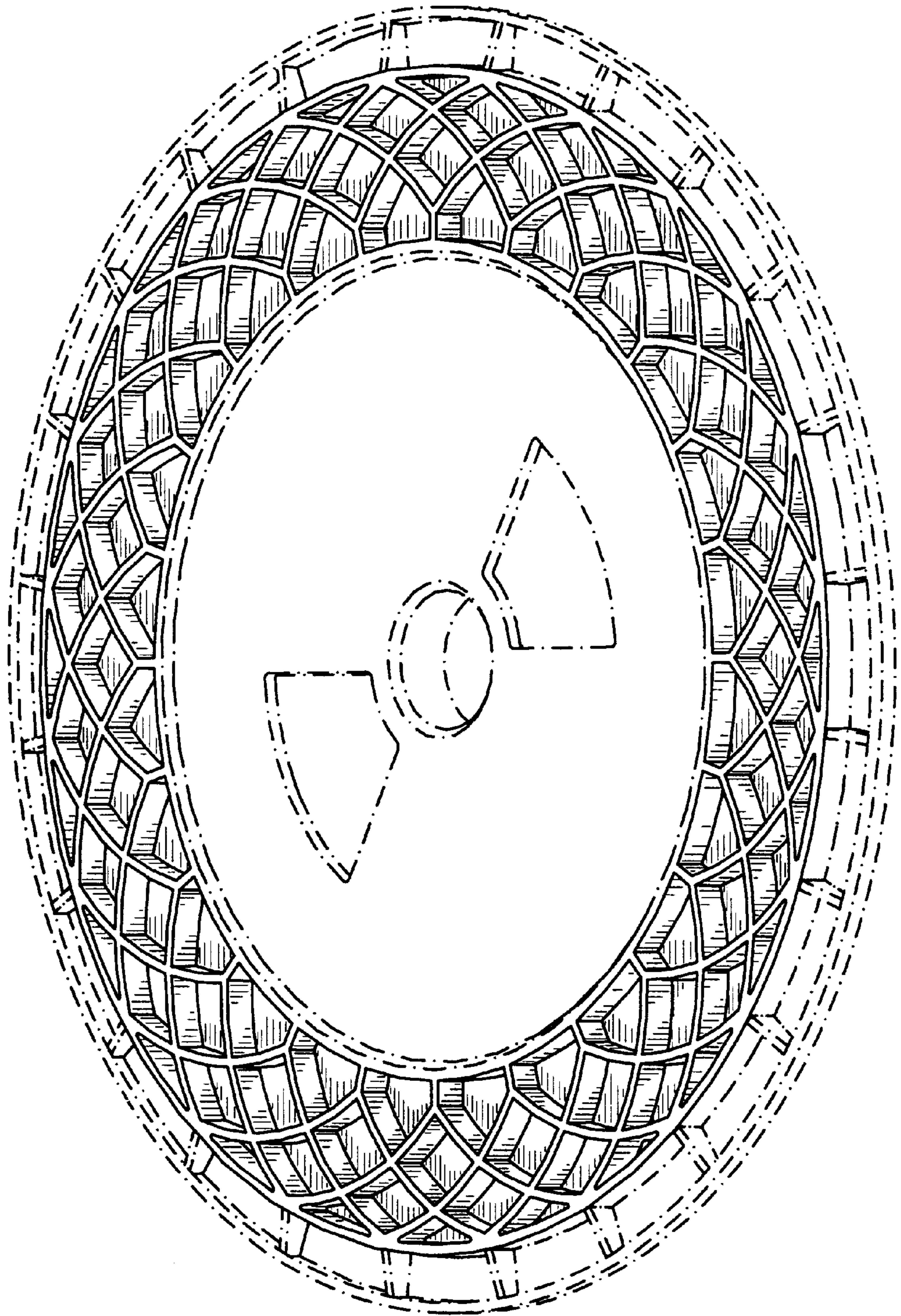


FIG-1

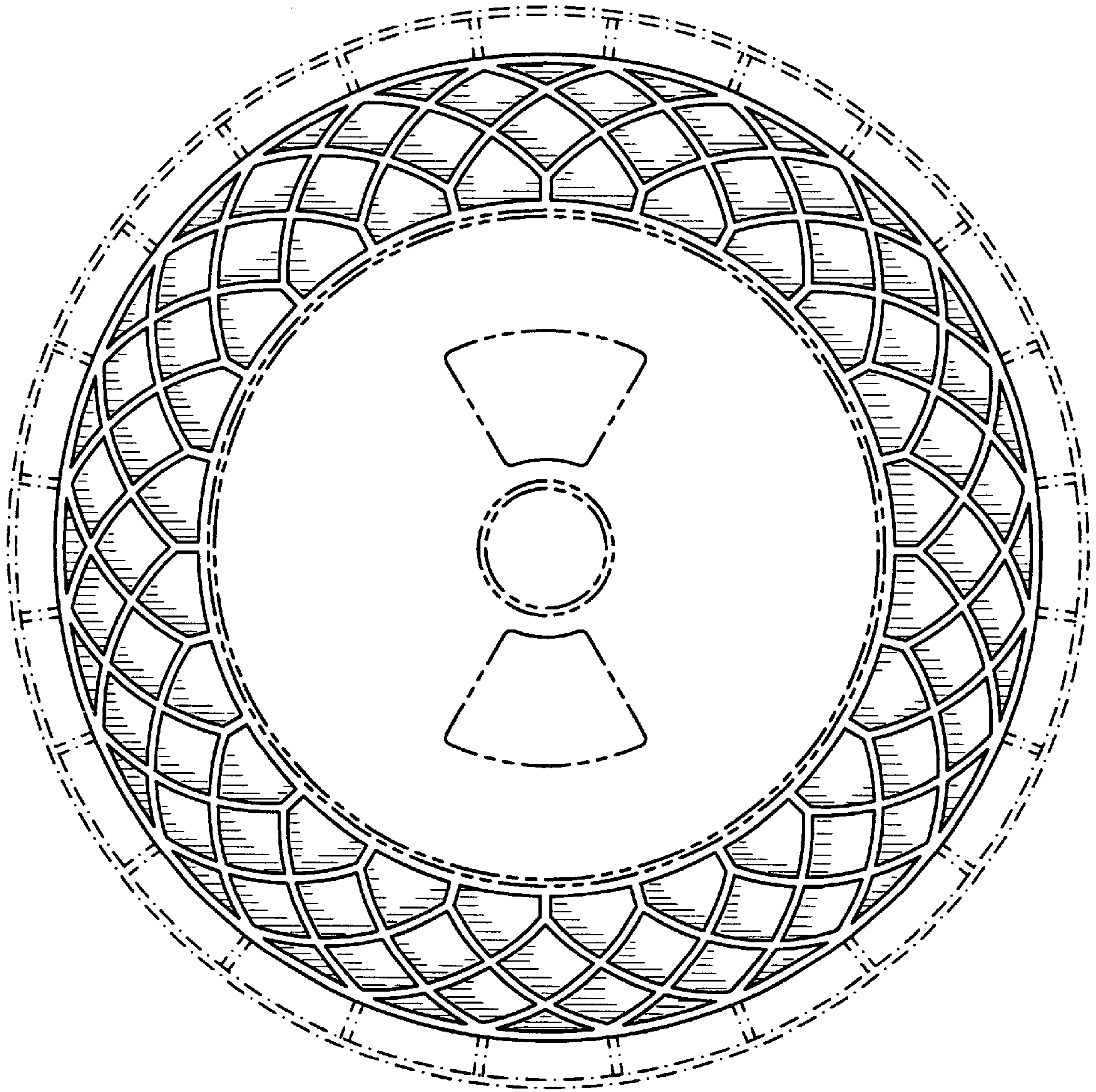
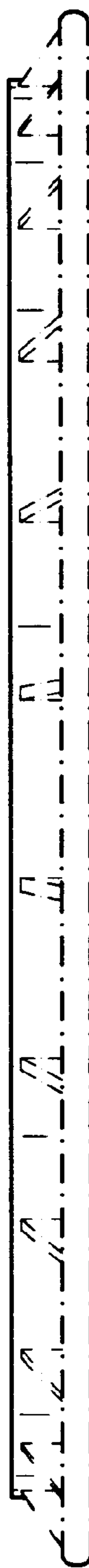


FIG-2

FIG-3



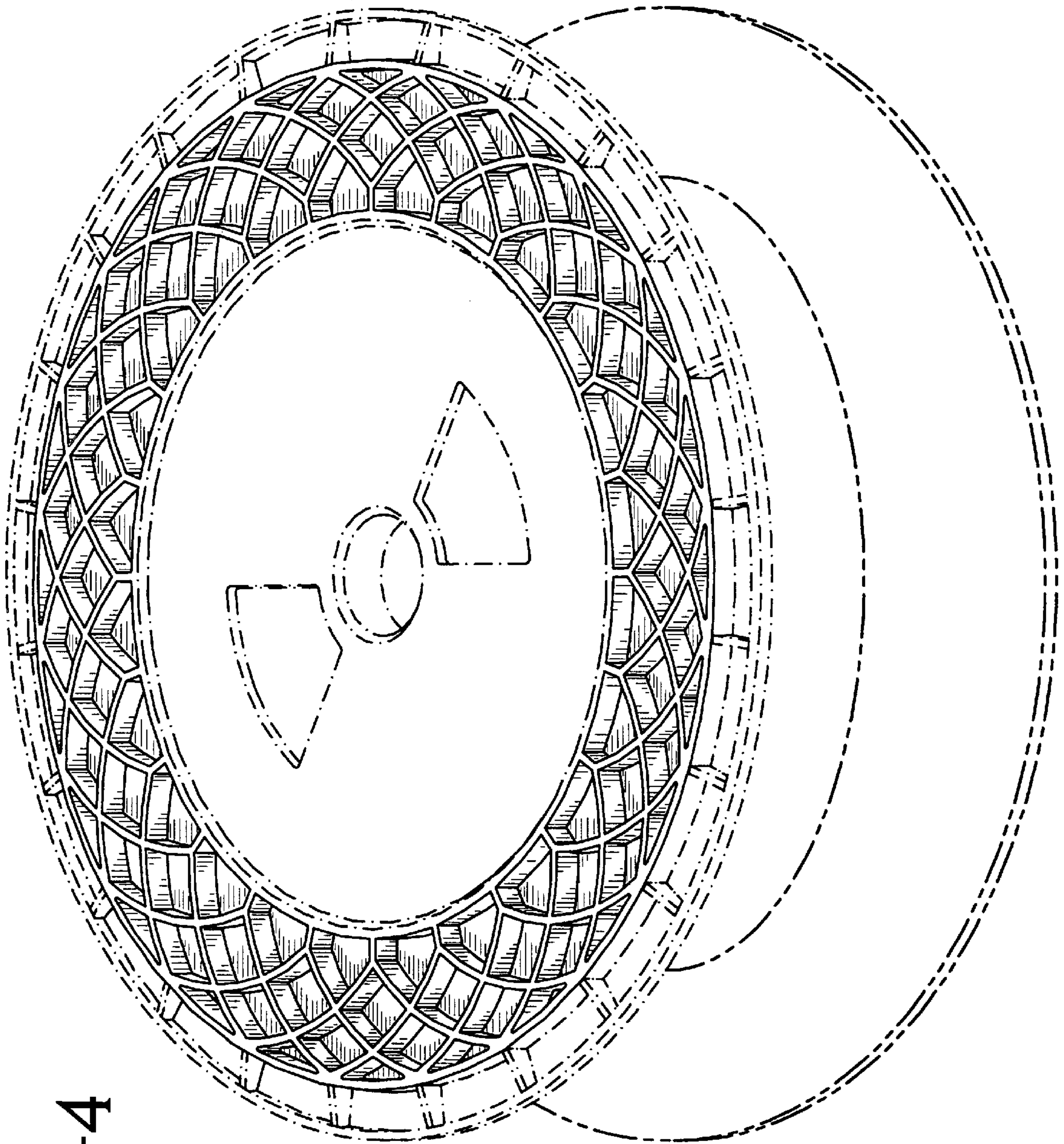


FIG-4

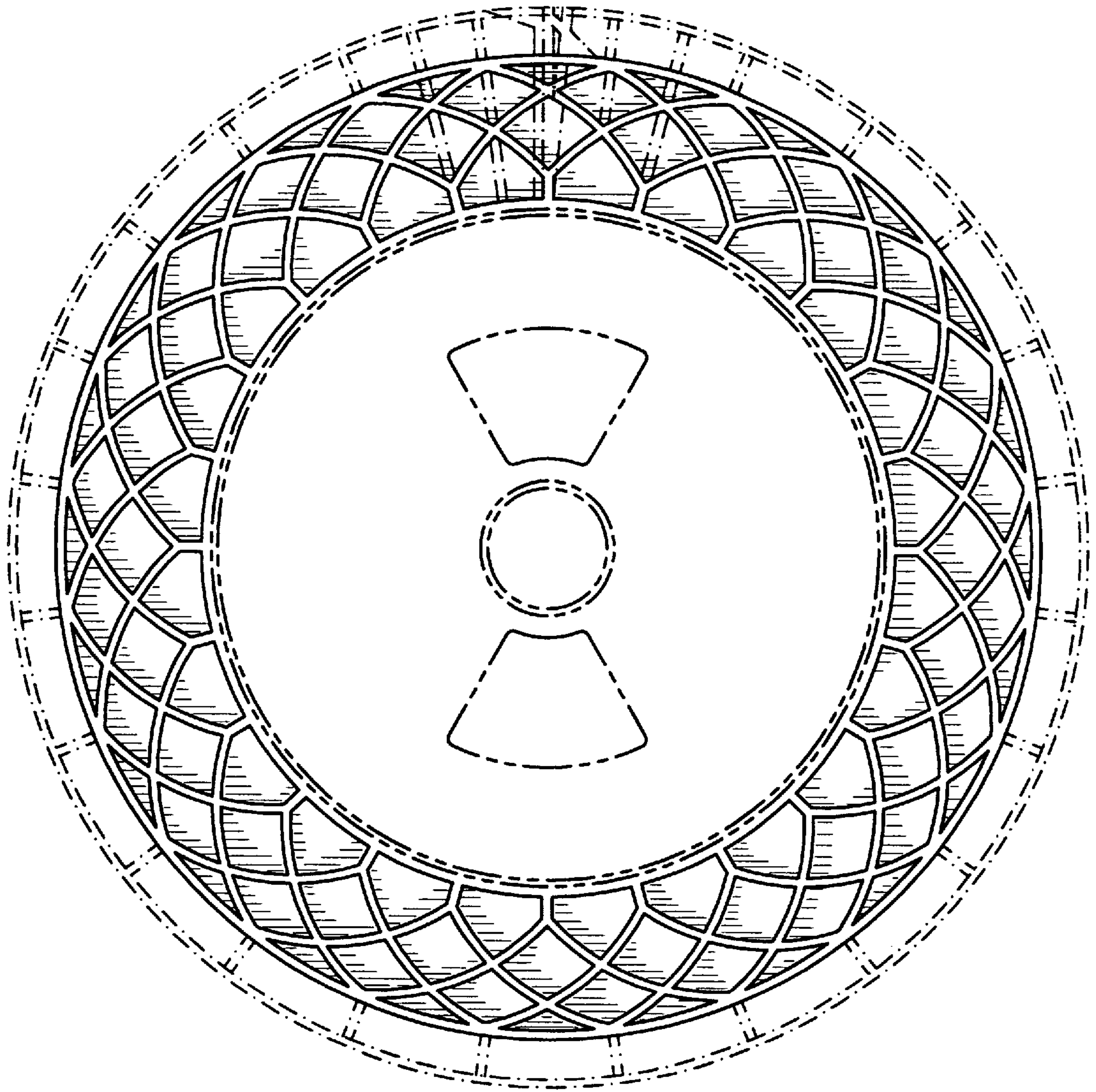


FIG-5

FIG-6



FIG-7

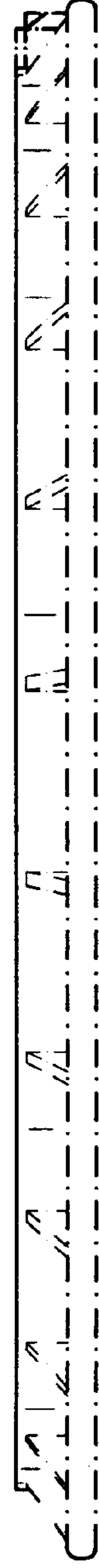
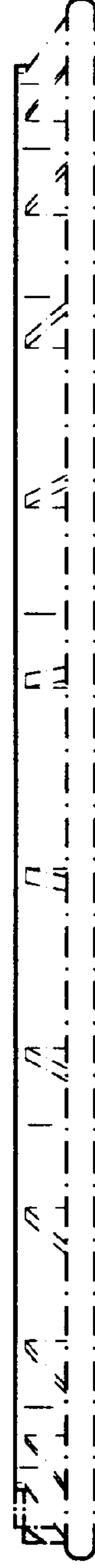


FIG-8



FIG-9



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 462,605 S
APPLICATION NO. : 29/113760
DATED : September 10, 2002
INVENTOR(S) : Kirk P. Bumgarner et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item [56] insert the following:

<i>No.</i>	<i>Col.</i>	<i>Line</i>	<i>Description</i>
1	First	References	D239004 3/1976 ChopeD8/358
		Cited	D327637 7/1992 SanchezD8/358
		U.S. Patent	4,903,911 2/1990 Sepke242/86
		Documents	
2	Second	Non-Patent	Parts and Accessories, p. 123, 5/26/1988, wheel
		Documents	cover, item C in upper right hand corner

Signed and Sealed this

Eighteenth Day of July, 2006



JON W. DUDAS

Director of the United States Patent and Trademark Office