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

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(54) **VERTEBRAL IMPLANT**

(76) Inventors: **Bruce H. Robie**, Glen Rock, NJ (US);
Eric Woodard, Jamaica Plains, MA
(US)

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

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Related U.S. Application Data

(63) Continuation of application No. 11/656,766, filed on
Jan. 23, 2007, now Pat. No. 7,749,272, which is a
continuation of application No. 10/264,496, filed on
Oct. 4, 2002, now abandoned.

(51) **LOC (10) Cl.** **24-03**

(52) **U.S. Cl.**
USPC **D24/155**

(58) **Field of Classification Search**
USPC D24/155, 156, 133, 152, 154, 135,
D24/144-146, 151; 606/194, 198, 90, 86 A;
623/23.54, 23.7, 1.15, 903, 17.11,
623/17.15, 17.16, 17.12; 604/1.02, 103.02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,685,059 A	8/1972	Bokros et al.	
3,707,006 A	12/1972	Bokros et al.	
3,971,134 A	7/1976	Bokros	
4,166,292 A	9/1979	Bokros	
4,863,477 A *	9/1989	Monson	623/17.12
5,071,437 A	12/1991	Steffe	
5,084,151 A	1/1992	Vallana	
5,133,845 A	7/1992	Vallana	
5,282,861 A	2/1994	Kaplan	
5,522,886 A	6/1996	Milo	
5,645,596 A *	7/1997	Kim et al.	623/17.16

5,645,605 A	7/1997	Klawitter	
5,683,464 A	11/1997	Wagner et al.	
5,716,400 A	2/1998	Davidson	
5,861,041 A	1/1999	Tienboon	
5,899,939 A	5/1999	Boyce et al.	
6,146,422 A *	11/2000	Lawson	623/17.16
6,162,252 A *	12/2000	Kuras et al.	623/17.16
6,183,517 B1	2/2001	Suddaby	
6,290,726 B1	9/2001	Pope et al.	
6,375,655 B1	4/2002	Zdeblick et al.	
6,410,087 B1	6/2002	Wilde et al.	
6,419,705 B1	7/2002	Erickson	
6,554,863 B2	4/2003	Paul et al.	
6,569,201 B2	5/2003	Moumene	
6,607,558 B2 *	8/2003	Kuras	623/17.16
6,626,945 B2	9/2003	Simon et al.	

(Continued)

OTHER PUBLICATIONS

Cook, Stephen D. et al., "Wear Characteristics of the Canine
Acetabulum Against Different Femoral Prostheses," 1989 British
Editorial Society of Bone and Joint Surgery, vol. 71-B, No. 2, Mar.
1989, pp. 189-197.

Primary Examiner — Ian Simmons

Assistant Examiner — Charles Hanson

(74) *Attorney, Agent, or Firm* — Seager, Tufte & Wickhem,
LLC

(57) **CLAIM**

An ornamental design for a vertebral implant, as shown and
described.

DESCRIPTION

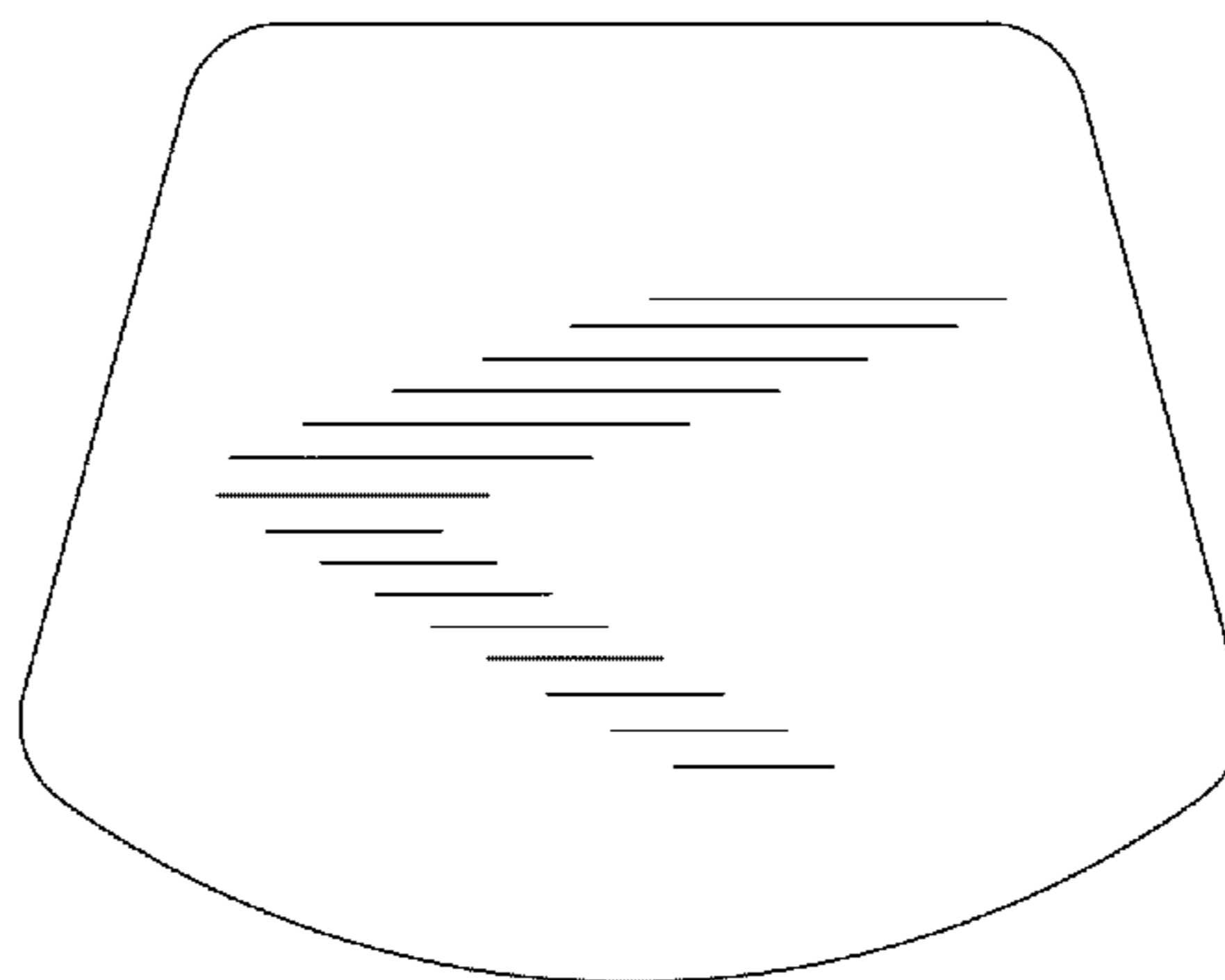
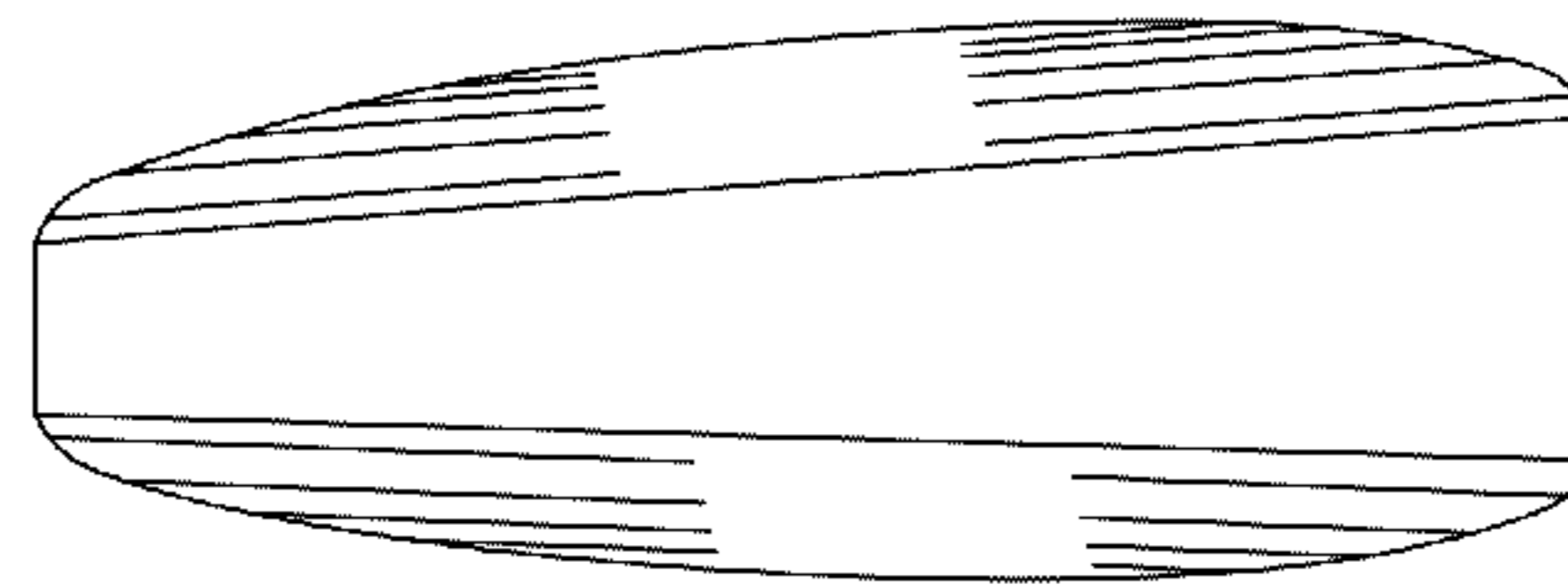
FIG. 1 is a side view of a vertebral implant of the present
invention;

FIG. 2 is a top view of the vertebral implant; and,

FIG. 3 is a front view of the vertebral implant.

Those portions shown in broken lines are for illustrative pur-
poses only and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,669,732 B2 *	12/2003	Serhan et al.	623/17.16	7,250,060 B2	7/2007	Trieu	
6,723,097 B2 *	4/2004	Fraser et al.	606/86 A	7,588,600 B2 *	9/2009	Benzel et al.	623/17.15
6,726,718 B1	4/2004	Carlyle		7,749,272 B2 *	7/2010	Robie et al.	623/17.11
6,728,720 B1	4/2004	Lenzie		7,776,092 B2 *	8/2010	Lee et al.	623/17.15
7,169,181 B2 *	1/2007	Kuras	623/17.11	8,357,167 B2 *	1/2013	Errico et al.	606/90
				8,470,041 B2 *	6/2013	Ferree	623/17.11
				2003/0220691 A1	11/2003	Songer et al.	
				2007/0233272 A1	10/2007	Boyce et al.	

* cited by examiner

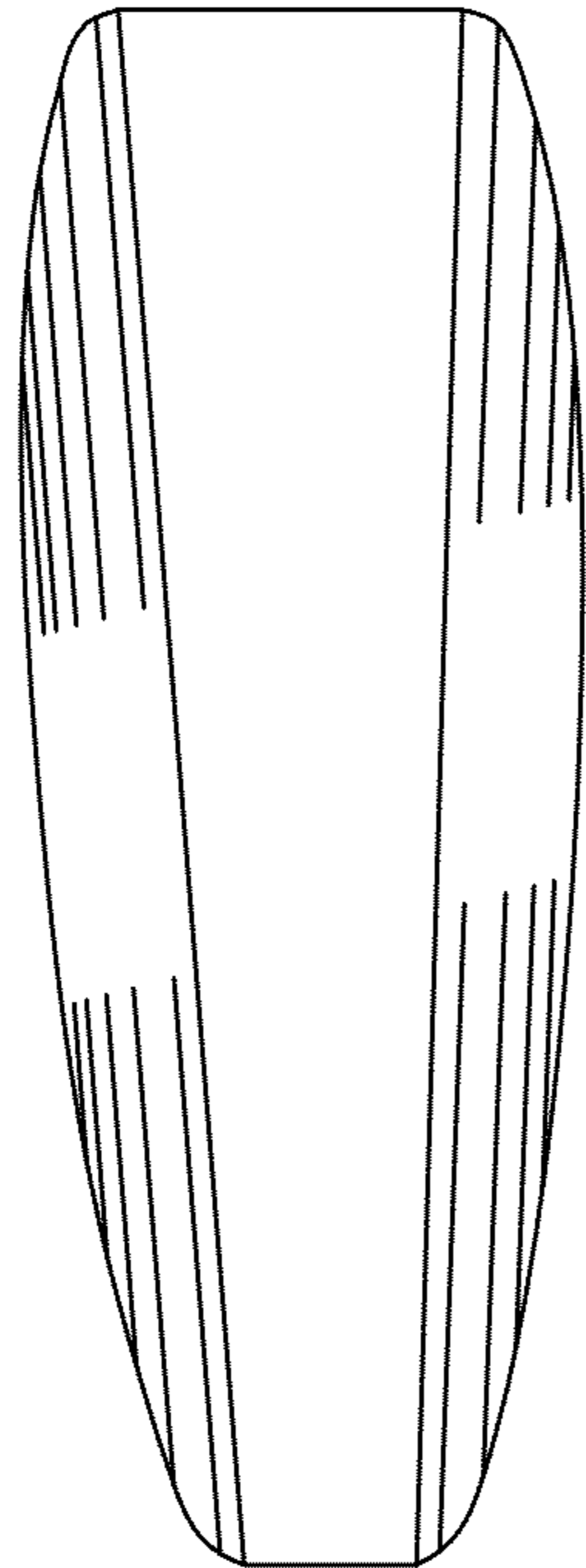


Figure 1

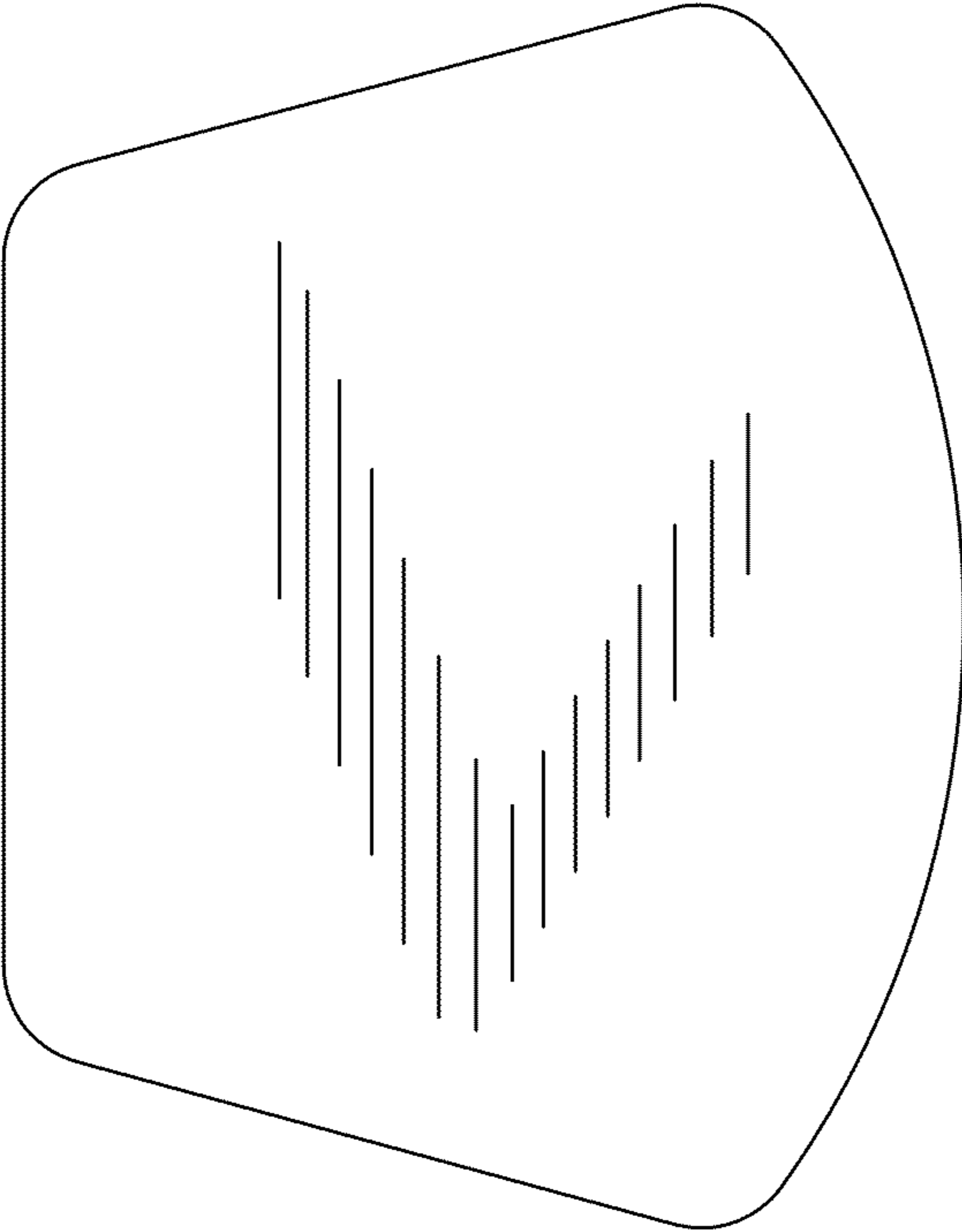


Figure 2

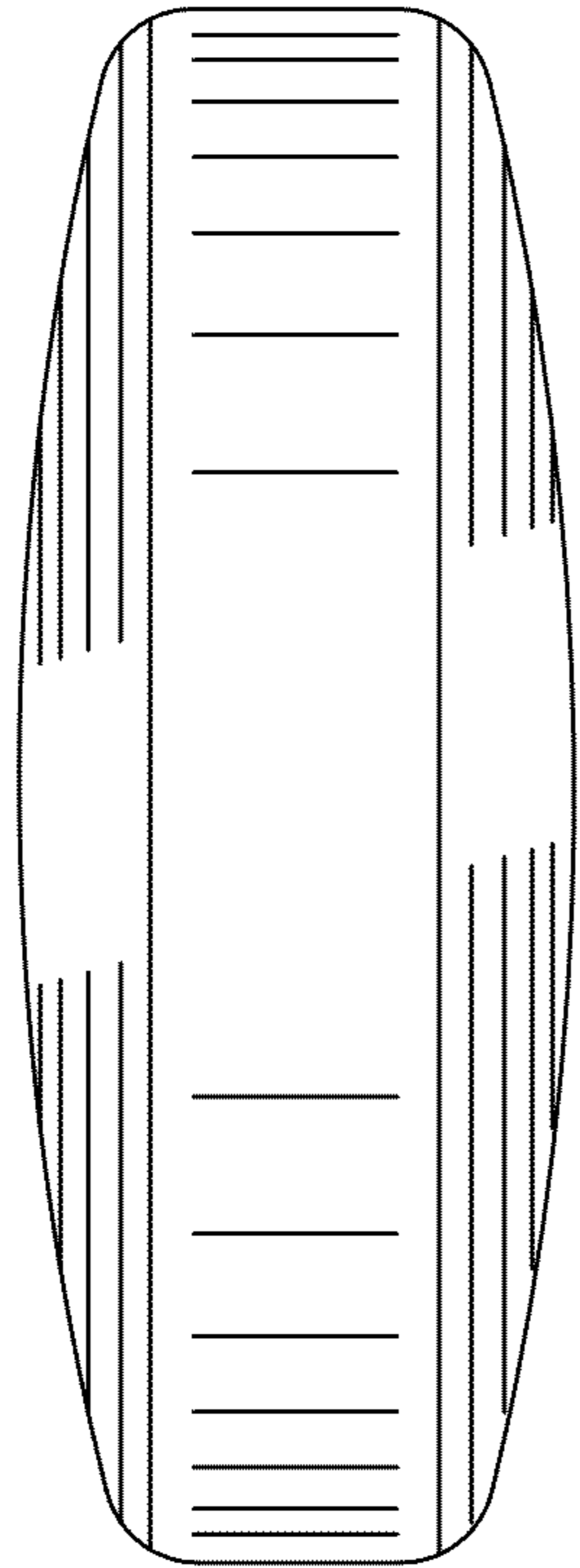


Figure 3