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

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(54) **USER INTERFACE DEVICE**

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(52) **U.S. Cl.** ..... **D14/388**; D21/324; D17/99

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D14/299; D21/324, 398, 405, 468, 499,  
D21/698, 707, 811, 812; D19/60, 62, 59;  
D17/22, 24, 99; 345/167, 157, 173; 84/722;  
73/862.043, 862.041, 862.05

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D103,876	S	*	3/1937	Pickin	.....	D21/386
2,362,064	A	*	11/1944	Giesinger	.....	473/595
D251,993	S	*	5/1979	Birdsall	.....	D21/405
D268,601	S	*	4/1983	Lee	.....	D21/324
D268,602	S	*	4/1983	Lee	.....	D21/324
D317,805	S	*	6/1991	Swan	.....	D21/707
5,028,053	A	*	7/1991	Leopold	.....	473/473
D352,322	S	*	11/1994	Mullaney et al.	.....	D21/707
D354,993	S	*	1/1995	Morrison et al.	.....	D21/324
D358,858	S	*	5/1995	McGreevy	.....	D21/707
D372,249	S	*	7/1996	Pinchuk	.....	D14/299
D378,225	S	*	2/1997	Wong	.....	D21/324
5,729,249	A	*	3/1998	Yasutake	.....	345/173
6,191,775	B1	*	2/2001	Suzuki	.....	345/167
D439,603	S	*	3/2001	Laird	.....	D17/99
D446,826	S	*	8/2001	Dunn et al.	.....	D21/398
D464,682	S	*	10/2002	Lin	.....	D21/499
D477,371	S	*	7/2003	Niu	.....	D21/405
D480,437	S	*	10/2003	Stoneberg	.....	D21/499

D490,483	S	*	5/2004	Auberger	.....	D21/499
D495,756	S	*	9/2004	Carley et al.	.....	D21/405
D520,569	S	*	5/2006	Lin	.....	D21/324
D521,512	S	*	5/2006	Kunzi et al.	.....	D14/388
D543,212	S	*	5/2007	Marks	.....	D14/454
D557,346	S	*	12/2007	Hall et al.	.....	D21/324
D590,442	S	*	4/2009	Jones	.....	D19/59
D610,191	S	*	2/2010	Lambert et al.	.....	D17/99
D614,248	S	*	4/2010	Pedersen	.....	D21/499
D614,249	S	*	4/2010	Pedersen	.....	D21/499

(Continued)

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(57) **CLAIM**

The ornamental design for a “user interface device,” as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a user interface device from above at any of the four upper corners, showing our new design;

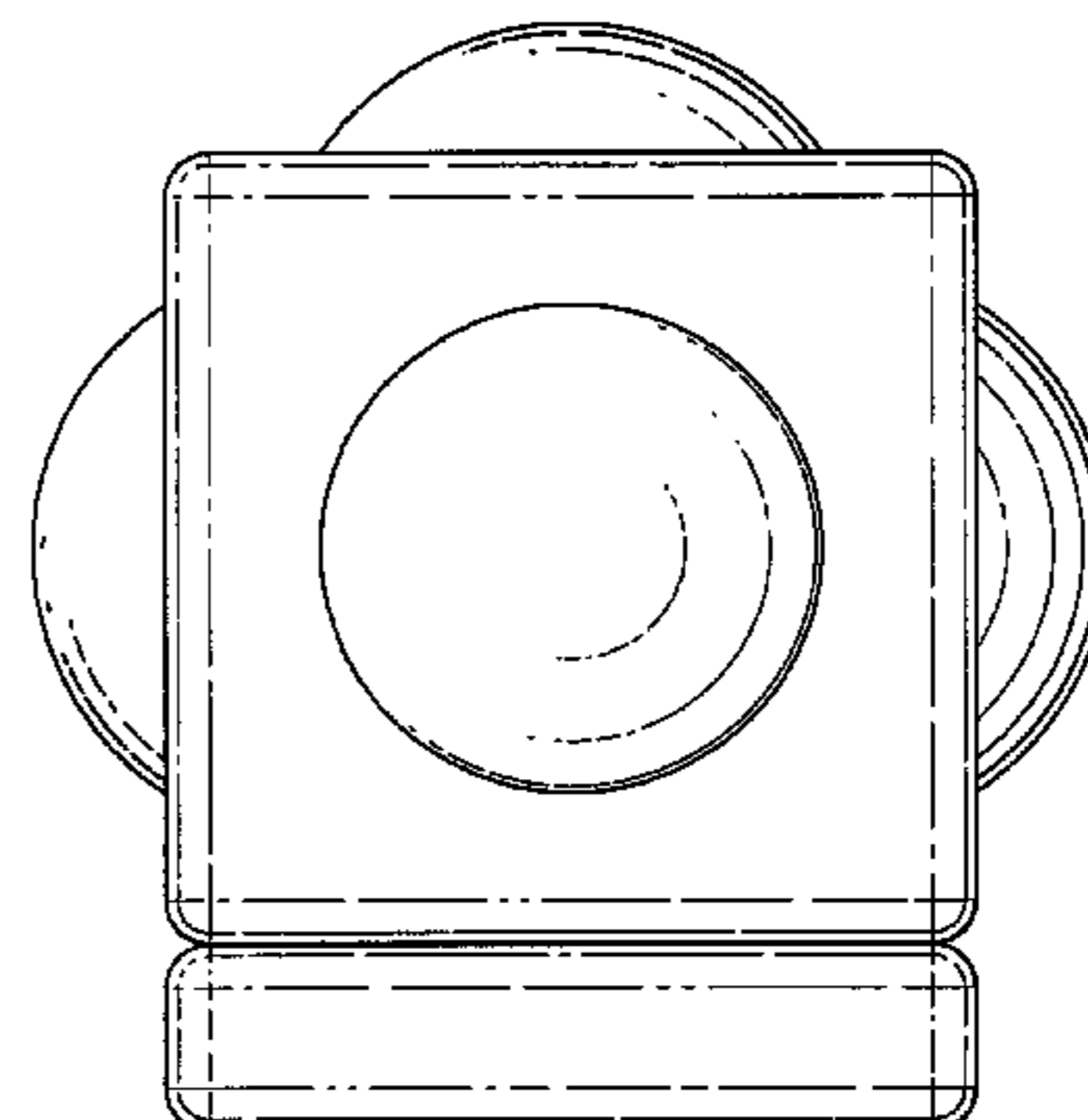
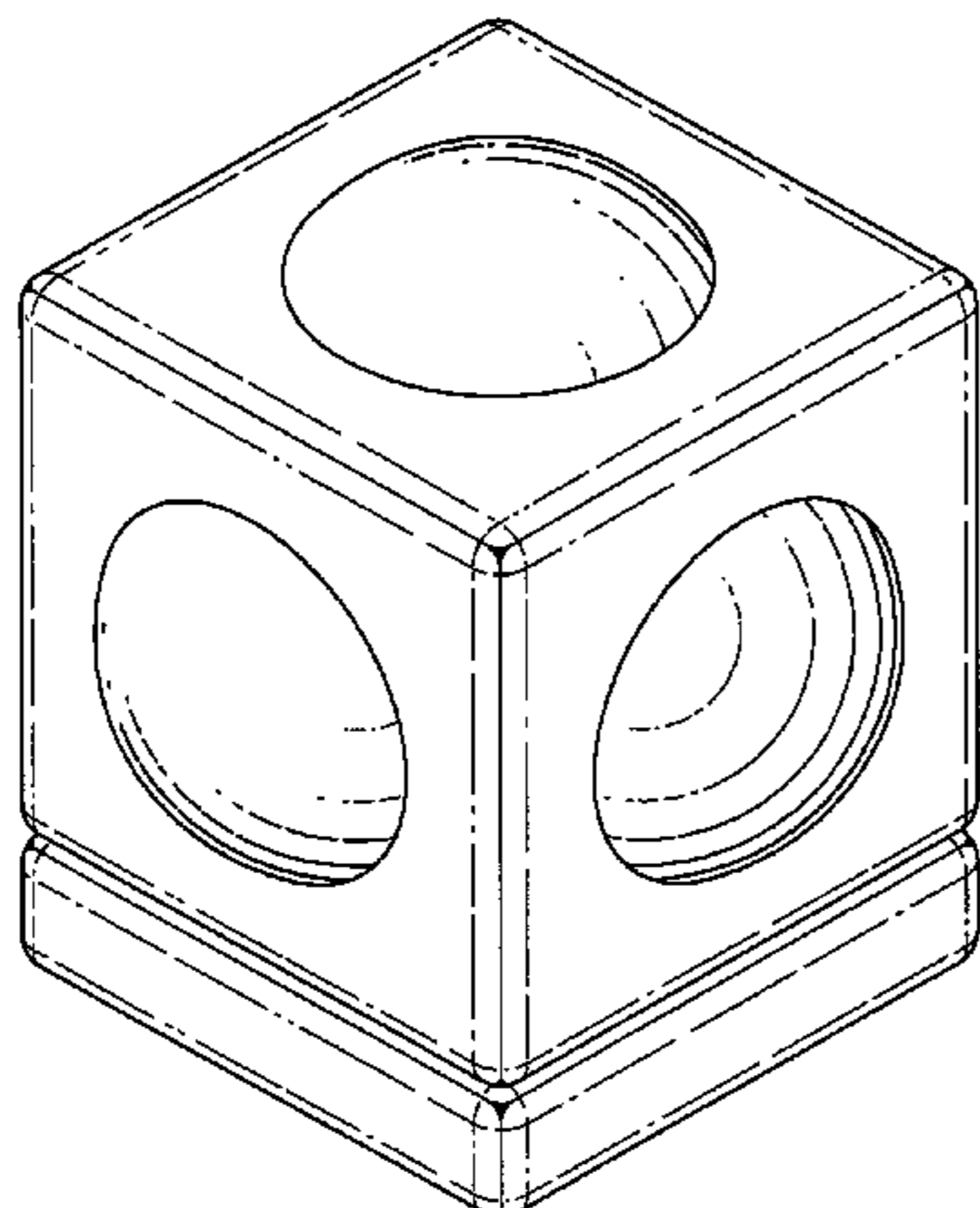
FIG. 2 is a side view thereof, from any of the four sides thereof;

FIG. 3 is a top and plan view thereof; and,

FIG. 4 is a perspective view thereof from below at any of the four lower corners.

In an example embodiment, the user interface device is for use with sound generating software running on a computer, such that different musical notes and sounds may be generated by compressing the device in different directions. Accordingly, when used in conjunction with a computer running suitable software, the device may also be regarded as a musical instrument. The device is for use in schools and hospitals, particularly suitable for use by younger children or as a learning or therapy aid for persons with physical or learning difficulties. Further information relating to the device may be found at the website [www.skooqmusic.com](http://www.skooqmusic.com). Videos of the device in use may be found at <http://www.youtube.com/user/skooqmusic#p/u>.

**1 Claim, 4 Drawing Sheets**



# US D645,468 S

Page 2

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## U.S. PATENT DOCUMENTS

D619,120 S *	7/2010	Nikiforov et al. ....	D14/218	D629,056 S *	12/2010	Grimm .....	D21/707
D619,663 S *	7/2010	Quinn .....	D21/713	D631,048 S *	1/2011	Adriano et al. ....	D14/399
D620,042 S *	7/2010	Lambert et al. ....	D17/99	2008/0028920 A1*	2/2008	Sullivan .....	84/722
D620,043 S *	7/2010	Lambert et al. ....	D17/99				

\* cited by examiner

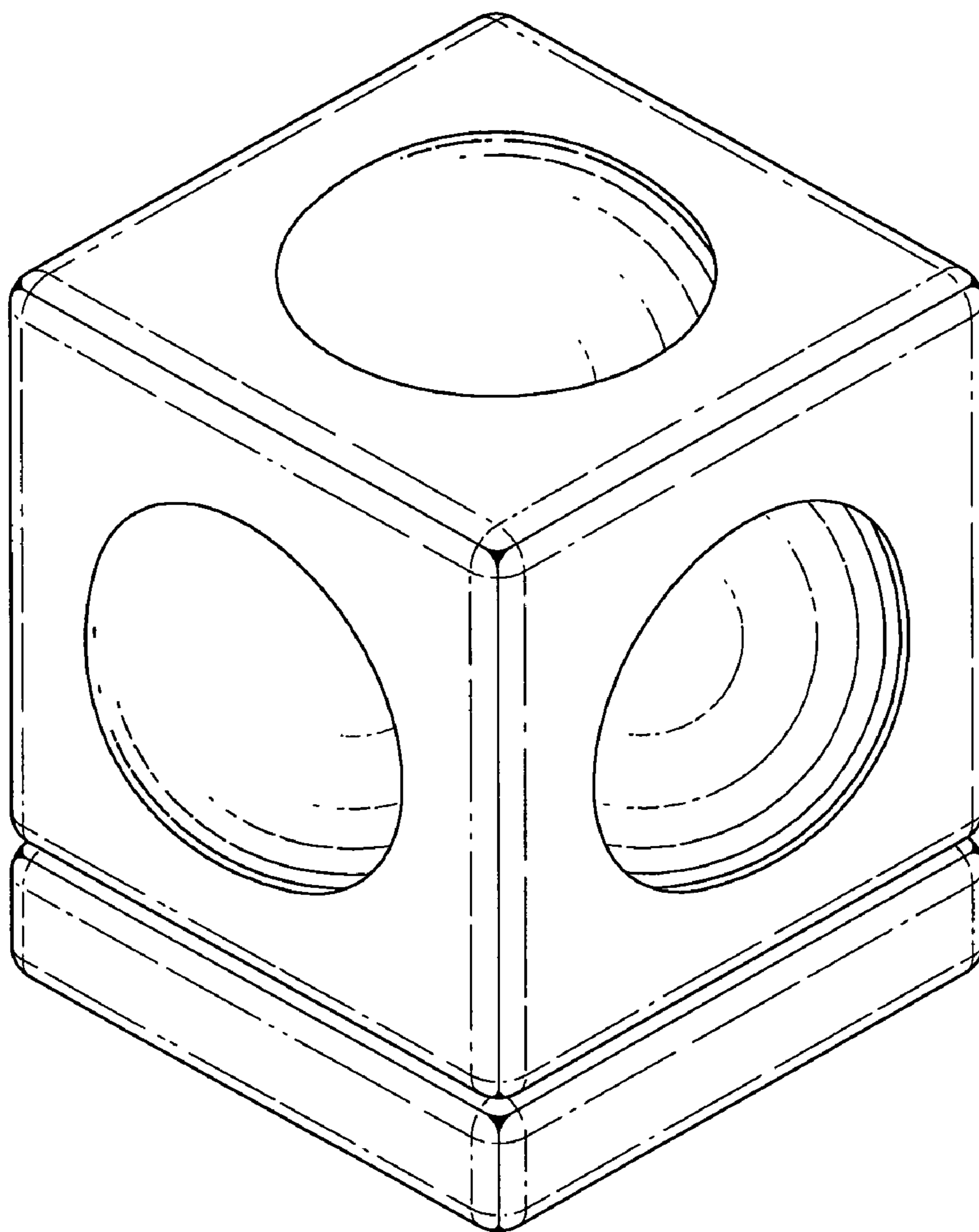


FIG. 1

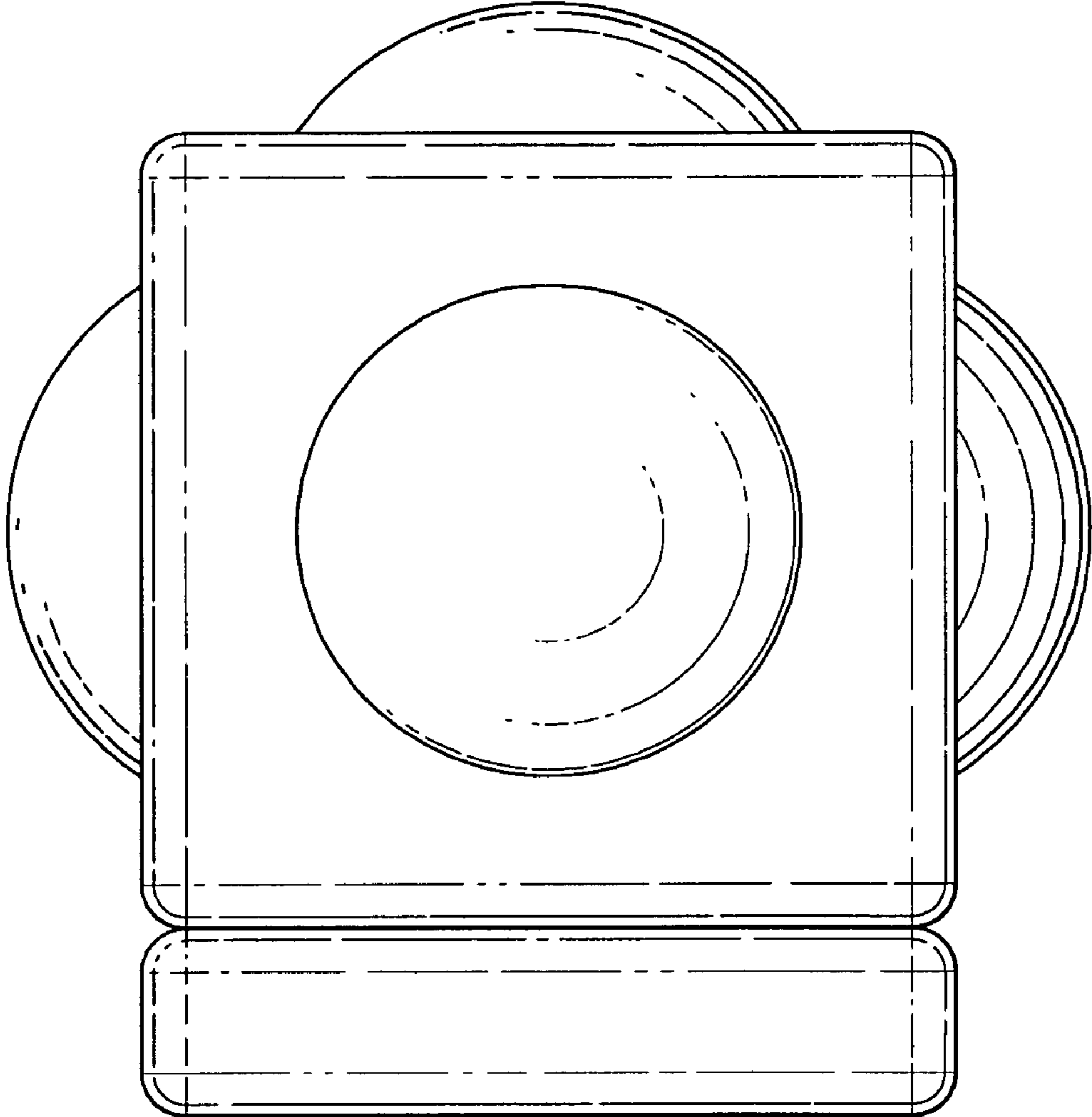


FIG. 2

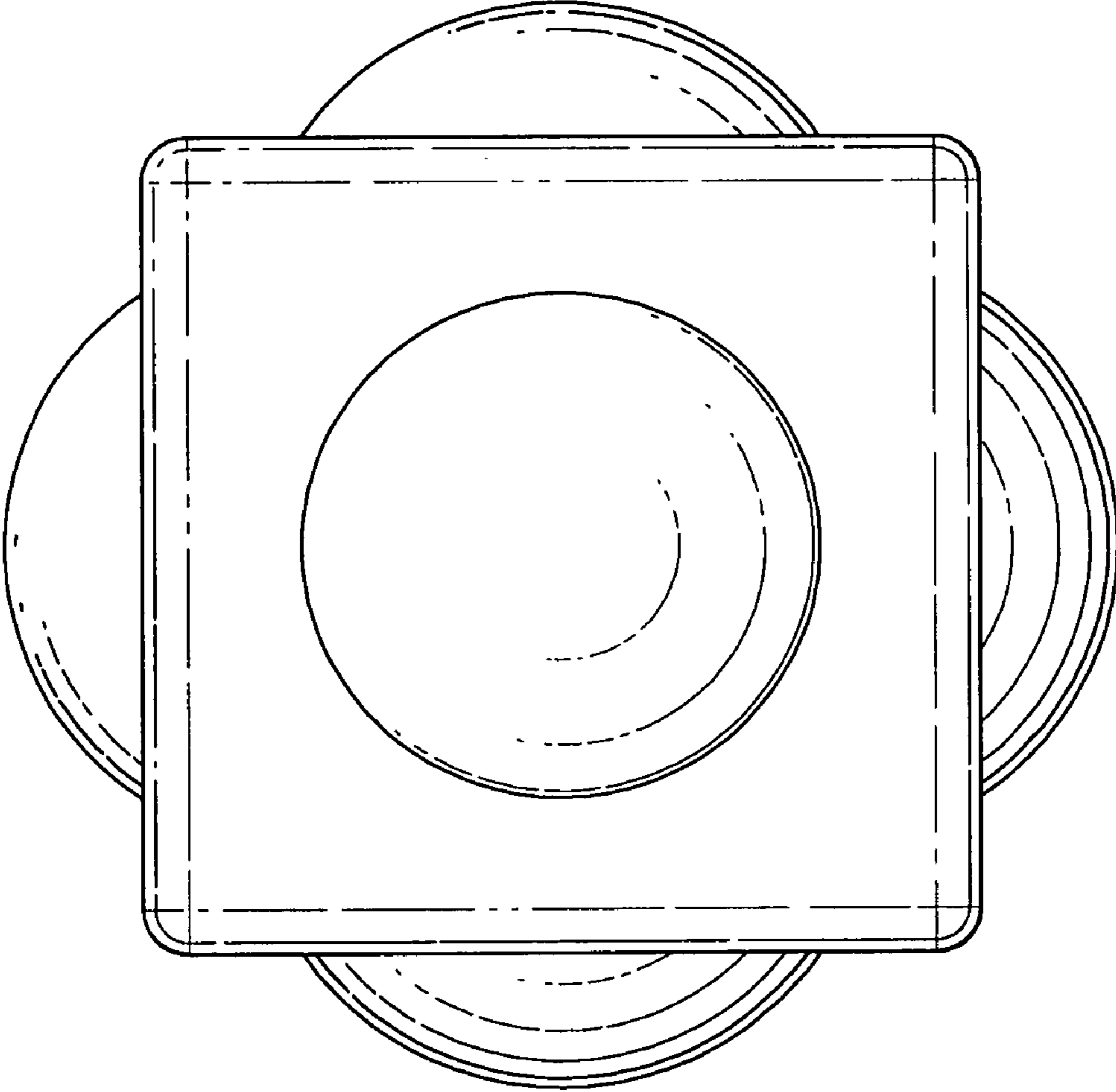


FIG. 3

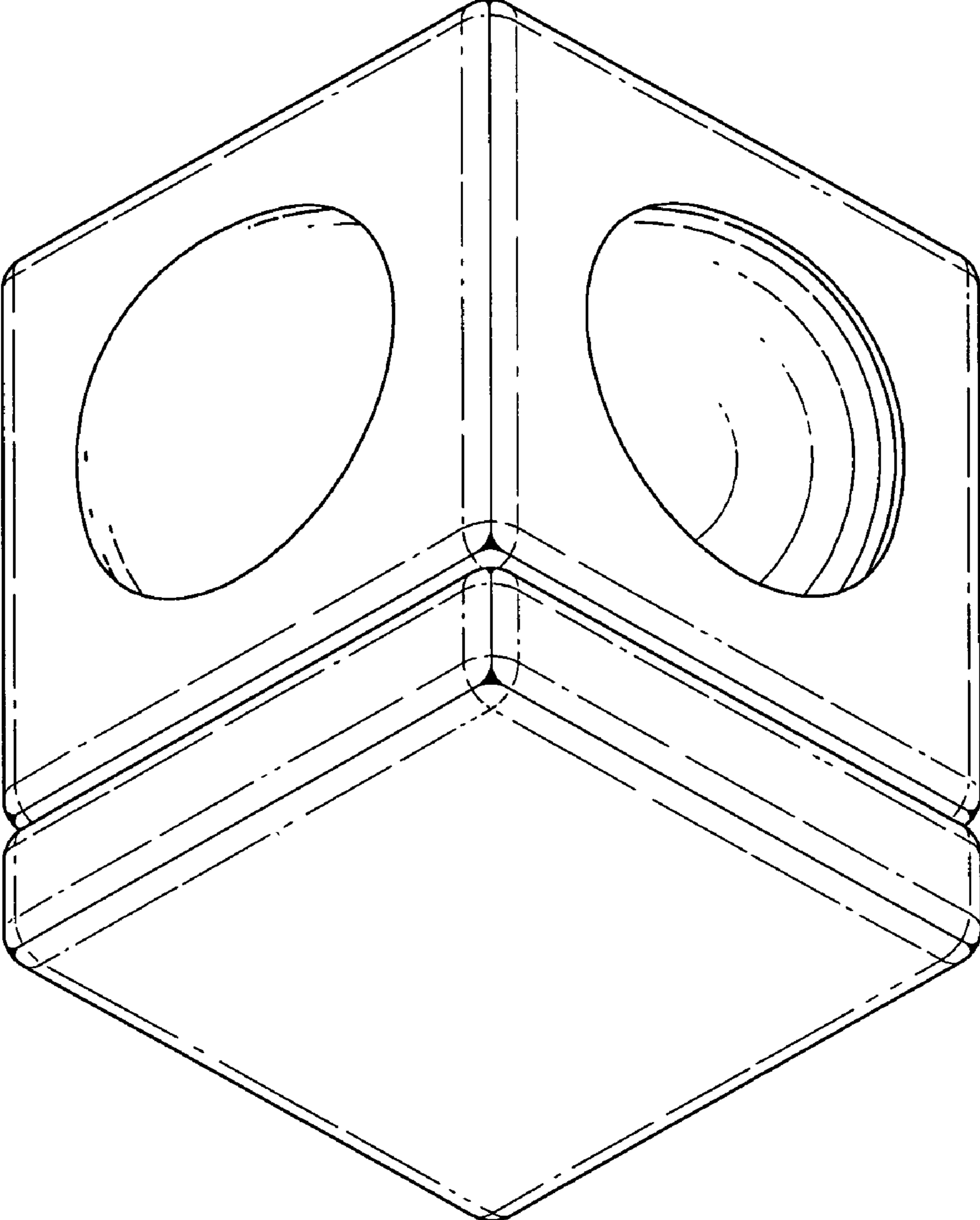


FIG. 4