



US00D972667S

(12) **United States Design Patent**  
**Qiao**

(10) **Patent No.:** **US D972,667 S**

(45) **Date of Patent:** **\*\* Dec. 13, 2022**

- (54) **SKIPPING ROPE HANDLE**
- (71) Applicant: **Xi Lu Qiao**, Guangzhou Guangdong (CN)
- (72) Inventor: **Xi Lu Qiao**, Guangzhou Guangdong (CN)
- (73) Assignee: **REESTAR INTERNATIONAL LIMITED**, Kln (HK)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/829,089**
- (22) Filed: **Mar. 2, 2022**
- (51) **LOC (13) Cl.** ..... **21-02**
- (52) **U.S. Cl.**  
USPC ..... **D21/672**
- (58) **Field of Classification Search**  
USPC ..... D21/672, 694, 684, 420; 482/81, 82, 8, 482/106, 110, 129, 4, 2, 7  
CPC ..... A63B 5/205; A63B 2208/12; A63B 5/20; A63B 5/22; A63B 21/4035; A63B 2220/17  
See application file for complete search history.

- 4,776,585 A \* 10/1988 Maleyko ..... A63B 5/20 200/11 G
- D299,807 S \* 2/1989 Sawa ..... D7/649
- D325,234 S \* 4/1992 Boyd
- D339,180 S \* 9/1993 Taylor ..... D21/672
- 5,314,393 A \* 5/1994 Rubin ..... A63B 5/20 482/148
- D402,717 S \* 12/1998 Stark ..... D21/672
- D407,450 S \* 3/1999 Janet ..... D21/672
- 5,895,341 A \* 4/1999 Jones ..... A63B 5/20 482/81
- D418,557 S \* 1/2000 Cousins ..... D21/672
- D470,902 S \* 2/2003 Davies ..... D21/672
- 6,540,649 B1 \* 4/2003 Niedrich ..... A63B 21/0608 482/109
- 6,551,222 B1 \* 4/2003 Beaver ..... A63B 5/20 482/82
- D477,853 S \* 7/2003 Davies ..... D21/672
- D499,153 S \* 11/2004 Kuo ..... D21/672
- 6,837,808 B1 \* 1/2005 Hatch ..... A63B 69/0088 473/424

(Continued)

*Primary Examiner* — Ryan Harvey

(57) **CLAIM**

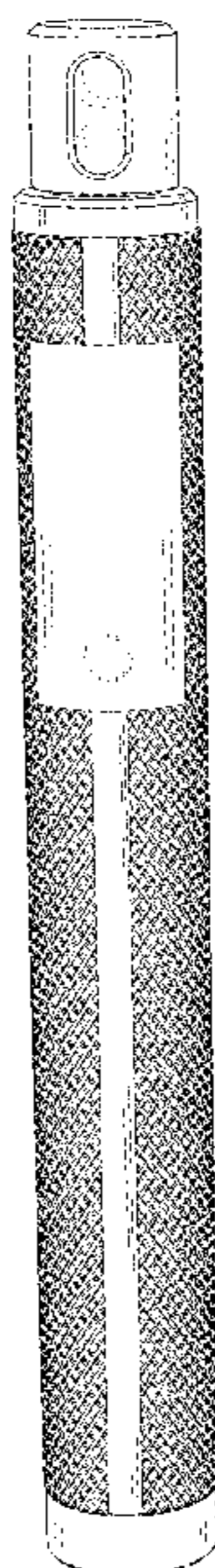
The ornamental design for a skipping rope handle, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a skipping rope handle according to the present invention;  
 FIG. 2 is a front elevation view thereof;  
 FIG. 3 is a rear elevation view thereof;  
 FIG. 4 is a left side view thereof;  
 FIG. 5 is a right side view thereof;  
 FIG. 6 is an enlarged top side view thereof; and,  
 FIG. 7 is an enlarged bottom side view thereof.  
 The broken lines in the drawings are for the purpose of illustrating portions of the skipping rope handle that form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**

- (56) **References Cited**  
U.S. PATENT DOCUMENTS
- 1,462,088 A \* 7/1923 La Sares ..... A63B 5/20 482/82
- 1,584,122 A \* 5/1926 Moore ..... A63B 5/20 16/110.1
- D250,609 S 12/1978 Lang et al.
- 4,136,866 A \* 1/1979 Bouvier ..... A63B 5/20 482/82
- D256,385 S \* 8/1980 Fields ..... D21/672
- D263,326 S \* 3/1982 Cooper ..... D21/672
- 4,593,899 A \* 6/1986 Miller ..... A63B 5/20 74/551.9



(56)

References Cited

U.S. PATENT DOCUMENTS

7,329,212 B2 *	2/2008	Roque	A63B 23/12	2007/0129220 A1 *	6/2007	Bardha	A63B 5/20
			482/110				482/1
7,334,499 B2 *	2/2008	Lai	B62K 21/26	2009/0247373 A1 *	10/2009	Borth	A63B 5/20
			74/551.9				482/82
D566,206 S *	4/2008	Yang	D21/672	2010/0160116 A1 *	6/2010	LaTour	A63B 5/20
7,462,140 B1 *	12/2008	Lombardozi	A63B 21/00196				482/110
			482/109	2010/0173760 A1 *	7/2010	Hall	A63B 21/0552
7,621,854 B2 *	11/2009	Foxman	A63B 5/20				482/129
			482/81	2010/0240500 A1 *	9/2010	Kim	A63B 5/20
D607,591 S *	1/2010	Rivera	D26/49				482/82
7,662,072 B1 *	2/2010	Chen	A63B 43/007	2011/0306474 A1 *	12/2011	Gamboa	A63B 5/20
			482/81				482/81
D634,376 S *	3/2011	Saffaie	D21/684	2013/0055761 A1 *	3/2013	Alford	F41B 15/025
7,976,438 B1 *	7/2011	Hsu	A63B 5/20				463/47.7
			482/81	2013/0165299 A1 *	6/2013	Hunt	A63B 5/20
D690,783 S *	10/2013	Chen	D21/672				482/82
D691,219 S *	10/2013	Kessler	D21/672	2013/0252789 A1 *	9/2013	Hess	A63B 69/004
D705,365 S	5/2014	Chen					482/106
9,381,391 B1 *	7/2016	Welty, II	A63B 5/20	2013/0324367 A1 *	12/2013	Lam	A63B 5/22
D780,857 S *	3/2017	Carter	D21/672				482/2
D804,591 S *	12/2017	Kuang	D21/672	2014/0018210 A1 *	1/2014	Lin	A63B 5/20
D821,509 S *	6/2018	Ness	D21/672				482/8
D829,835 S *	10/2018	Yu	D21/672	2014/0080680 A1 *	3/2014	Henniger	A63B 5/20
D846,667 S *	4/2019	Yu	D21/694				482/82
D847,917 S *	5/2019	Cullen	D21/672	2014/0121068 A1 *	5/2014	Rogers	A63B 5/20
D848,557 S *	5/2019	Lim	D21/694				482/82
D856,446 S	8/2019	Yu		2015/0119206 A1 *	4/2015	Newman	A63B 5/20
D856,447 S *	8/2019	Dunahay	D21/684				482/82
D919,016 S *	5/2021	Lin	D21/672	2015/0224355 A1 *	8/2015	Holland	A63B 69/00
D938,529 S *	12/2021	Wu	D21/672				482/82
D941,939 S *	1/2022	Yu	D21/672	2015/0335931 A1 *	11/2015	Jordan	A63B 21/4035
D942,557 S *	2/2022	Liu	D21/672				482/82
D953,455 S *	5/2022	Li	D21/694	2016/0067536 A1 *	3/2016	Carpinelli	A63B 5/20
2003/0148859 A1 *	8/2003	Chun	A63B 5/20				482/82
			482/82	2017/0151457 A1 *	6/2017	Harguth	A63B 5/20
2004/0002408 A1 *	1/2004	Rigas	A63B 21/0608				482/82
			482/93	2017/0304679 A1 *	10/2017	Orfield	A63B 21/0724
2005/0054483 A1 *	3/2005	Peng	A63B 5/20				482/82
			482/4	2018/0126205 A1 *	5/2018	Rogers	A63B 5/20
2005/0288158 A1 *	12/2005	LaTour	A63B 5/20				482/82
			482/81	2018/0221703 A1 *	8/2018	Newman	A63B 21/4039
							482/82
				2018/0361187 A1 *	12/2018	Hopkins	A63B 5/20
							482/82
				2019/0046825 A1 *	2/2019	Xu	A63B 5/20
							482/82
				2019/0060701 A1 *	2/2019	Qian	A63B 5/20
							482/82
				2019/0160319 A1 *	5/2019	Zhang	A63B 5/20
							482/82
				2019/0160326 A1 *	5/2019	Zhang	A63B 21/4035
							482/82
				2019/0255374 A1 *	8/2019	Constanza	A63B 24/0087

\* cited by examiner

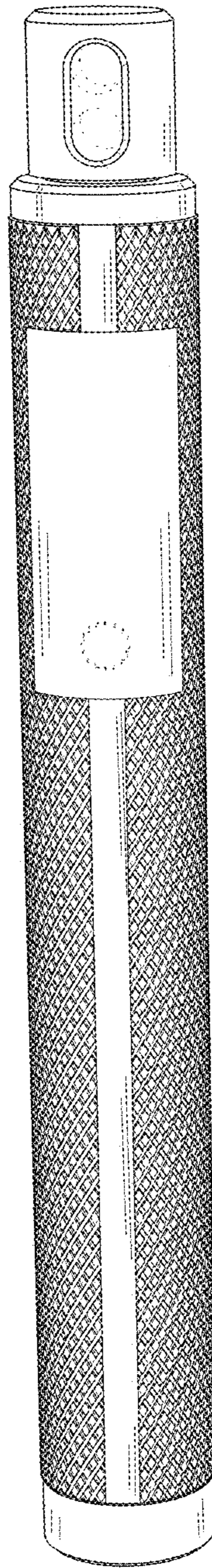


FIG. 1

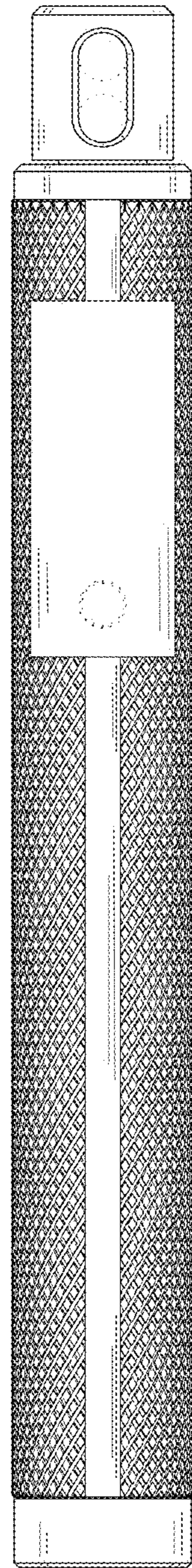


FIG. 2

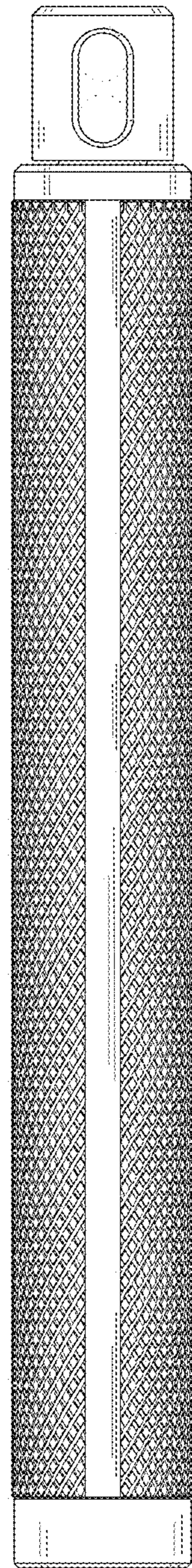


FIG. 3

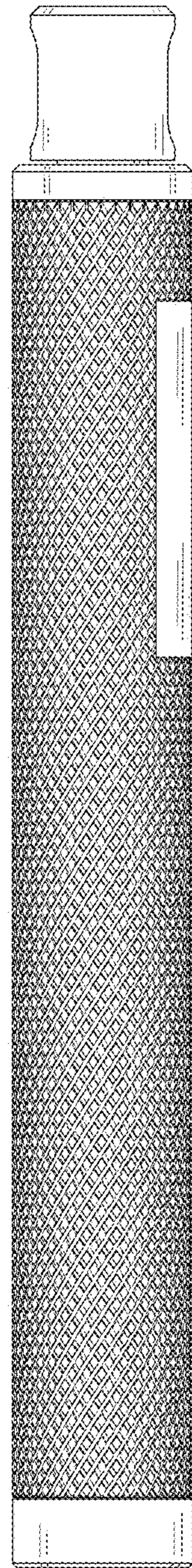


FIG. 4

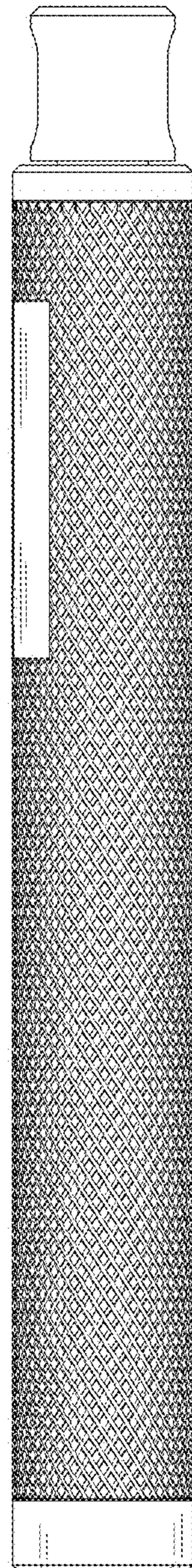


FIG. 5

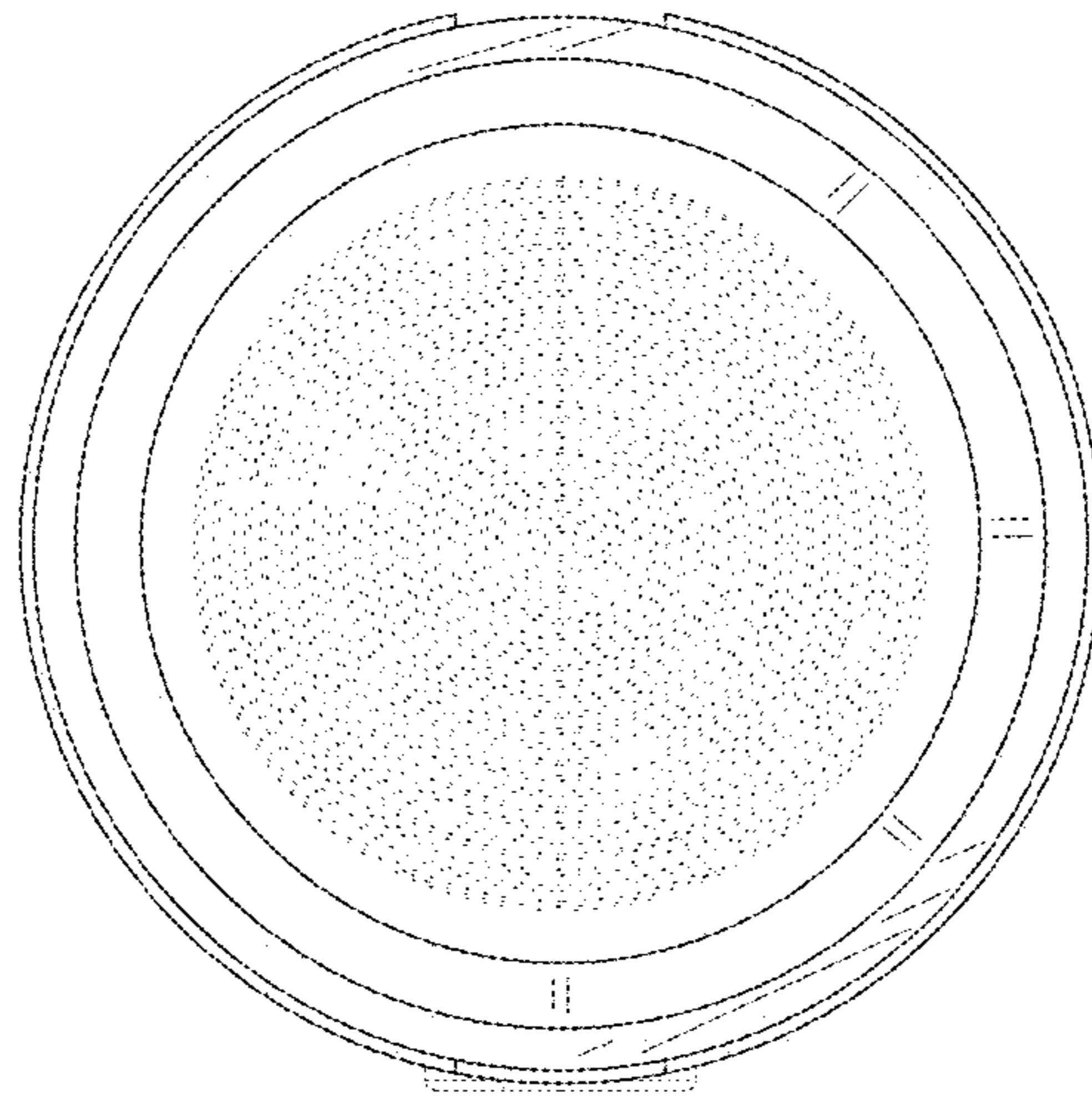


FIG. 6

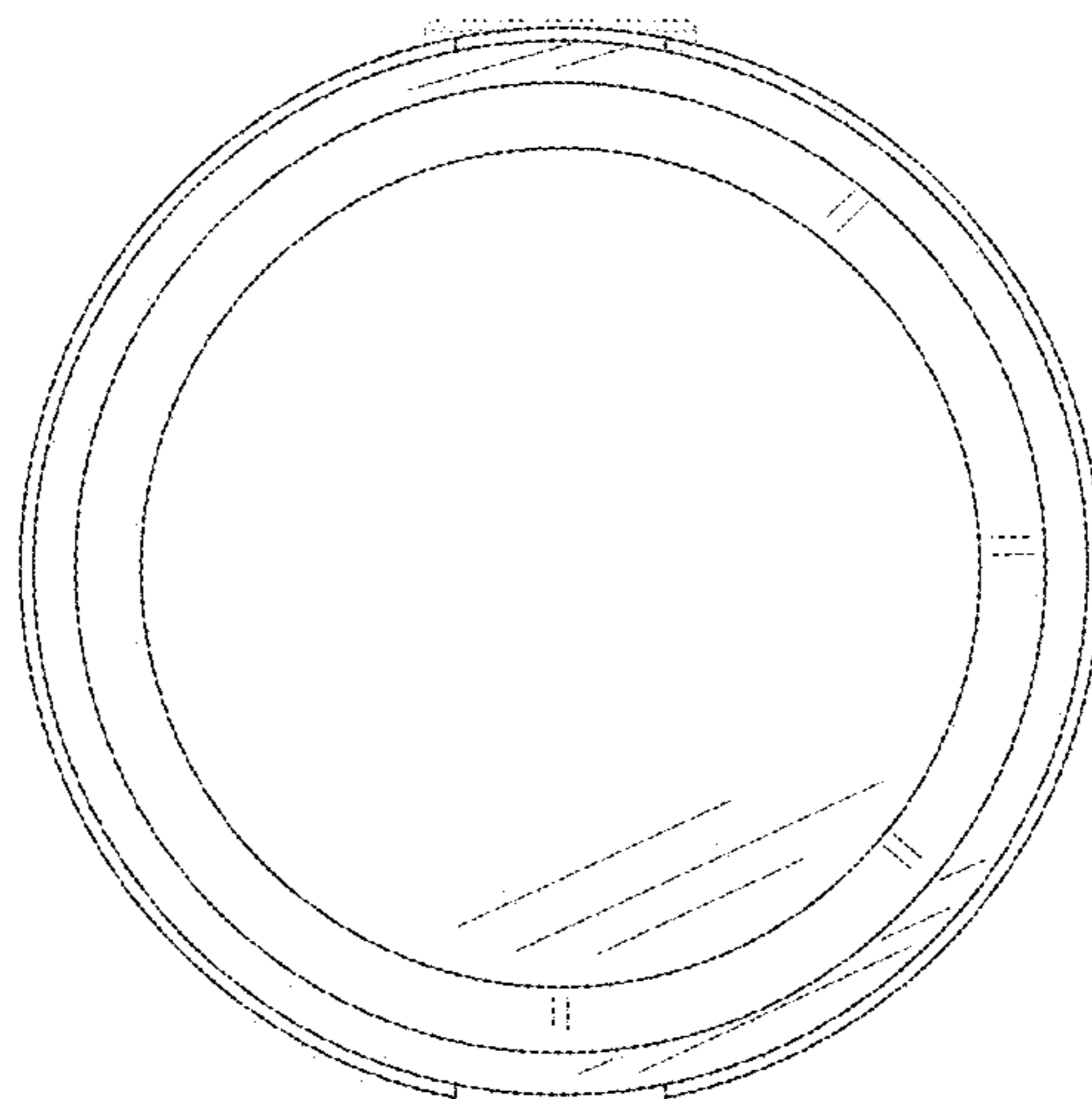


FIG. 7