



US00D983534S

(12) **United States Design Patent** (10) **Patent No.:** **US D983,534 S**
Goff (45) **Date of Patent:** **** Apr. 18, 2023**

(54) **BRUSH INSERT**

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- (73) Assignee: **RPS Corporation**, Racine, WI (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/706,148**
- (22) Filed: **Sep. 18, 2019**
- (51) **LOC (14) Cl.** **14-01**
- (52) **U.S. Cl.**
USPC **D4/122**
- (58) **Field of Classification Search**
USPC D4/122, 138; 15/27, 104.001, 104.002,
15/230.11; 492/13, 16-19
CPC B05B 15/60; B05C 17/0205; Y10T
29/49826; Y10T 403/56; F16B 7/0413
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,319,451	A	5/1943	Groene	
2,330,584	A	9/1943	Hoagland	
2,415,300	A	2/1947	Lovely	
2,848,401	A	8/1958	Hartley	
3,181,193	A	5/1965	Nobles	
3,380,098	A	4/1968	Nelson	
4,003,668	A *	1/1977	Kelly, III	B25G 3/38 403/287
4,018,014	A	4/1977	Belanger	
D261,357	S *	10/1981	Doonan	D8/499
D298,605	S *	11/1988	Colgan	D8/382
5,385,420	A *	1/1995	Newman, Sr.	B25G 3/30 403/299
5,400,461	A	3/1995	Malish et al.	
D375,843	S *	11/1996	Wolfenden	D8/382
D394,530	S	5/1998	Roeker	
5,819,400	A	10/1998	Sargeant	
D408,601	S	4/1999	Winter	

(Continued)

OTHER PUBLICATIONS

Broaching Machine posted by Tex Computer, posting date not given, [online], [site visited Dec. 9, 2016]. Available from Internet, URL: <https://www.texcomputer.com/en/content/broaching-machine>.

(Continued)

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(57) **CLAIM**

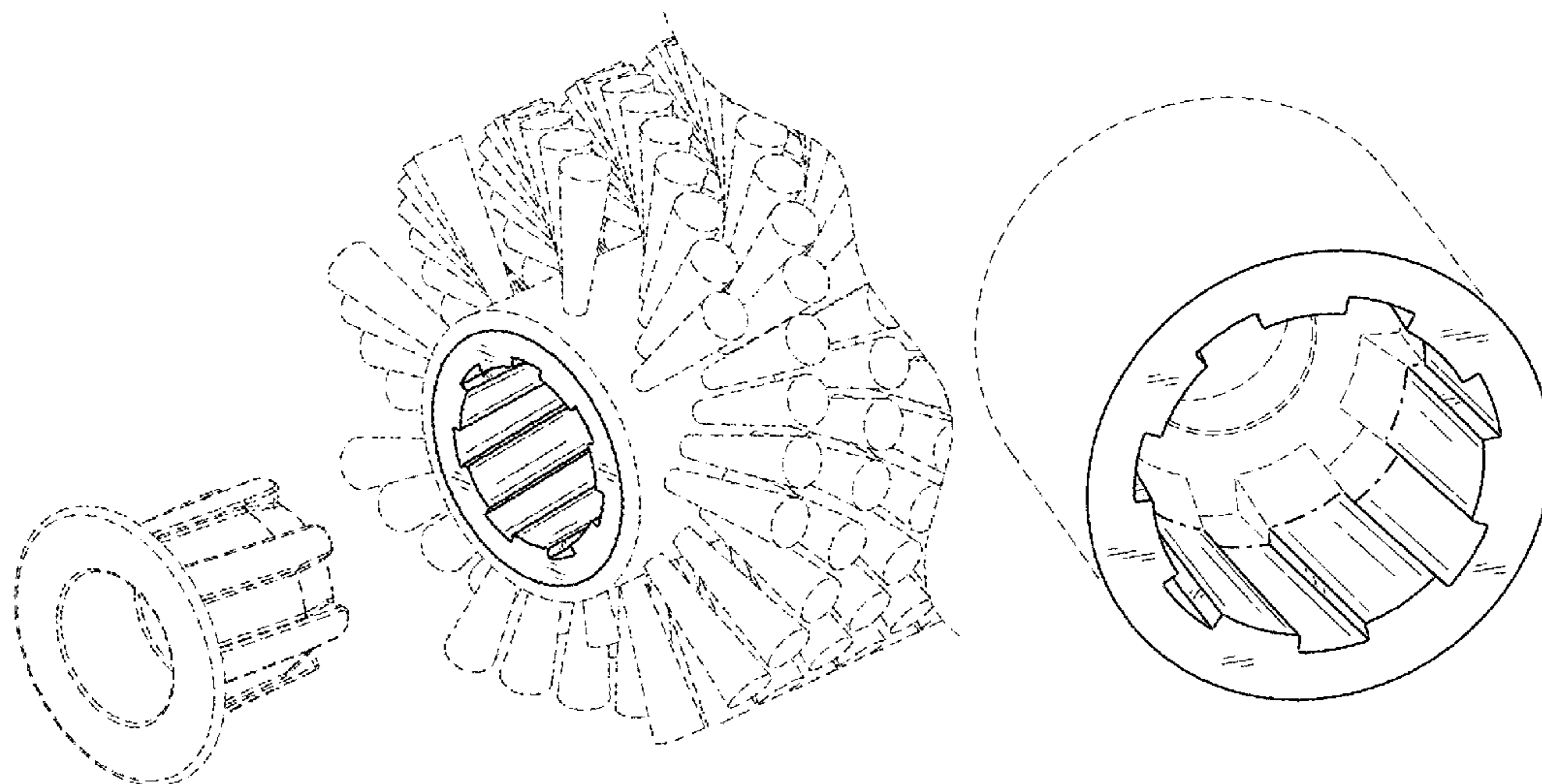
The ornamental design for a brush insert, as shown and described.

DESCRIPTION

FIG. 1 is an exploded top, front, and right perspective view of the brush insert, shown in an environment of use;
 FIG. 2 is a top, front, and right perspective view of the brush insert;
 FIG. 3 is a front perspective view thereof;
 FIG. 4 is a front elevation view thereof;
 FIG. 5 is a right elevation side view thereof;
 FIG. 6 is a left side elevation view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof;
 FIG. 9 is a rear elevation view thereof;
 FIG. 10 is a cross-sectional view thereof, taken through line 10-10 of FIG. 4;
 FIG. 11 is a front cross-sectional view thereof, taken through line 11-11 of FIG. 5; and,
 FIG. 12 is a rear cross-sectional view thereof, taken through line 12-12 of FIG. 5.

The broken lines in FIG. 1 represent environmental structure. All other broken lines illustrate portions of the brush insert. The broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D439,637 S * 3/2001 Davies D23/262
 D441,927 S 5/2001 Creecy
 D443,815 S * 6/2001 Adriaenssens D8/396
 6,241,181 B1 * 6/2001 Campbell B65H 75/22
 242/578
 6,324,714 B1 12/2001 Walz et al.
 6,427,373 B1 8/2002 Schuemann
 6,877,925 B2 * 4/2005 Fernandez B44D 3/12
 401/197
 D545,062 S * 6/2007 Nagoya D6/534
 D557,409 S * 12/2007 Veliss D24/110.4
 7,347,771 B2 3/2008 Wentworth et al.
 7,819,357 B2 * 10/2010 Fox B65H 75/245
 156/577
 D699,948 S * 2/2014 Byrne D4/122
 D712,156 S * 9/2014 Arvinte D4/122
 8,826,493 B2 9/2014 Stegens
 D718,103 S 11/2014 Geissele
 9,212,860 B2 12/2015 Kunau
 9,572,469 B2 2/2017 Goff
 D787,647 S * 5/2017 Eaton F16L 19/02
 D23/259
 D818,806 S * 5/2018 Copeland D8/382
 D822,466 S * 7/2018 Mangeri D8/367
 D849,414 S * 5/2019 Lambertson, Jr. B05B 15/60
 D4/122

2012/0131835 A1 5/2012 Barrett
 2012/0216439 A1 8/2012 Barrett
 2015/0007478 A1 1/2015 Barrett
 2015/0266168 A1 9/2015 Geissele
 2016/0010938 A1 1/2016 Merkley
 2016/0220086 A1 8/2016 Goff

OTHER PUBLICATIONS

Factorycat Tomcat, Product Change Bulletin P-600A, MiniMag, Magnum, GTX, XR—With Cylindrical Decks, Nov. 18, 2011, 2 pages.
 Helical Gears posted by Rempco, available Oct. 9, 2014, © 2016 Rempco Inc., [online], [site visited Dec. 9, 2016]. Available from Internet, URL: <https://web.archive.org/web/20141009023045/http://rempco.com/gears/helical/>.
 Internal Splining Capabilities posted by Industrial Jig & Fixture., available Oct. 30, 2014, © 2014 Industrial Jig & Fixture, Inc, [online], [site visited Dec. 9, 2016]. Available from Internet, URL: <http://web.archive.org/web/20141030105455/http://industrialjigandfixture.com/internal-splines-keyways/index.html>.
 Spiral Broaching & Helical Broaching posted by VW Broaching Service, Inc., available Oct. 31, 2014, © 2015-2016 VW Broaching Service, Inc, [online], [site visited Dec. 9, 2016]. Available from Internet, URL: <http://web.archive.org/web/20141031234530/http://www.vwbroaching.com/spiral-broaching.html>.

* cited by examiner

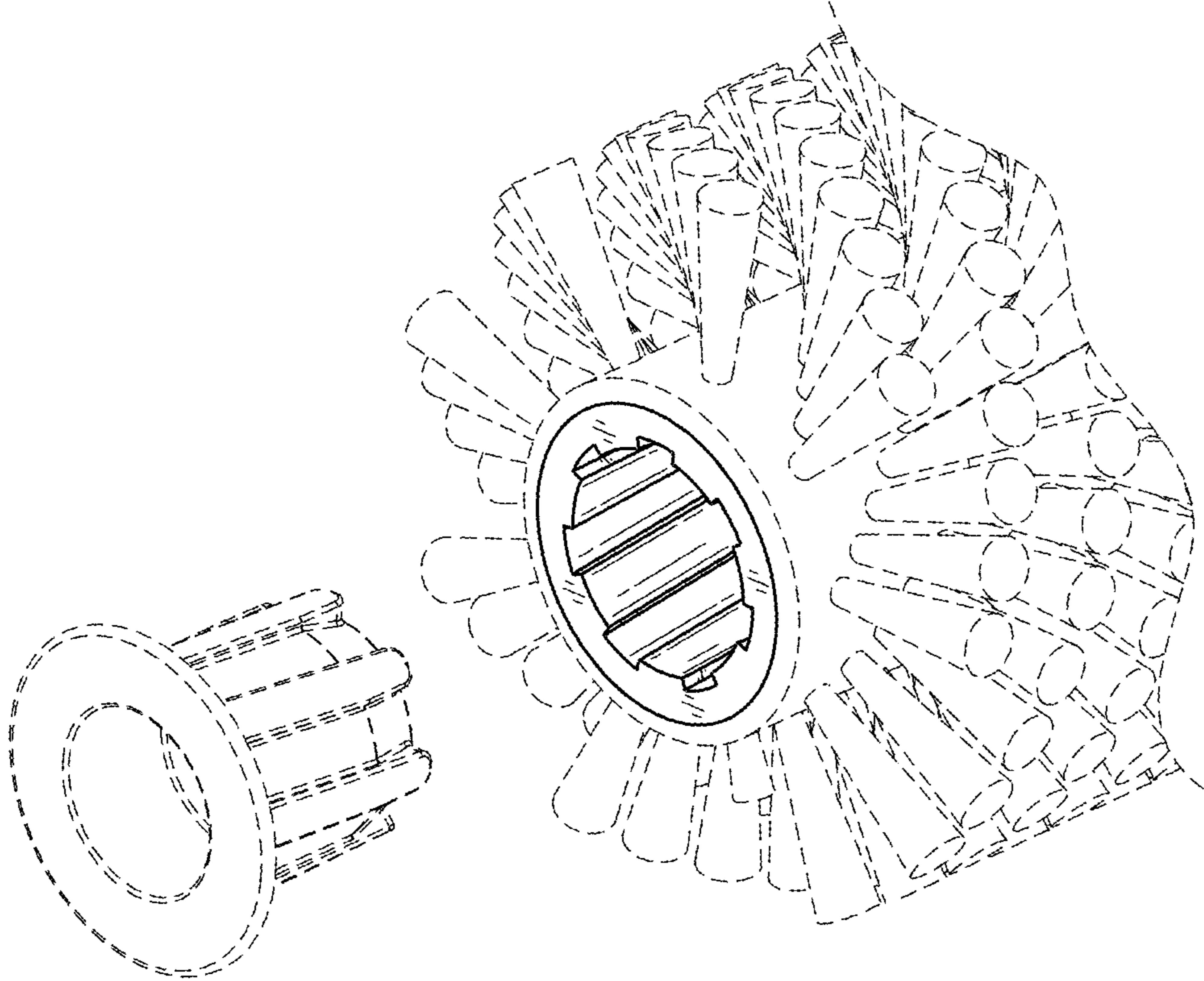


FIG. 1

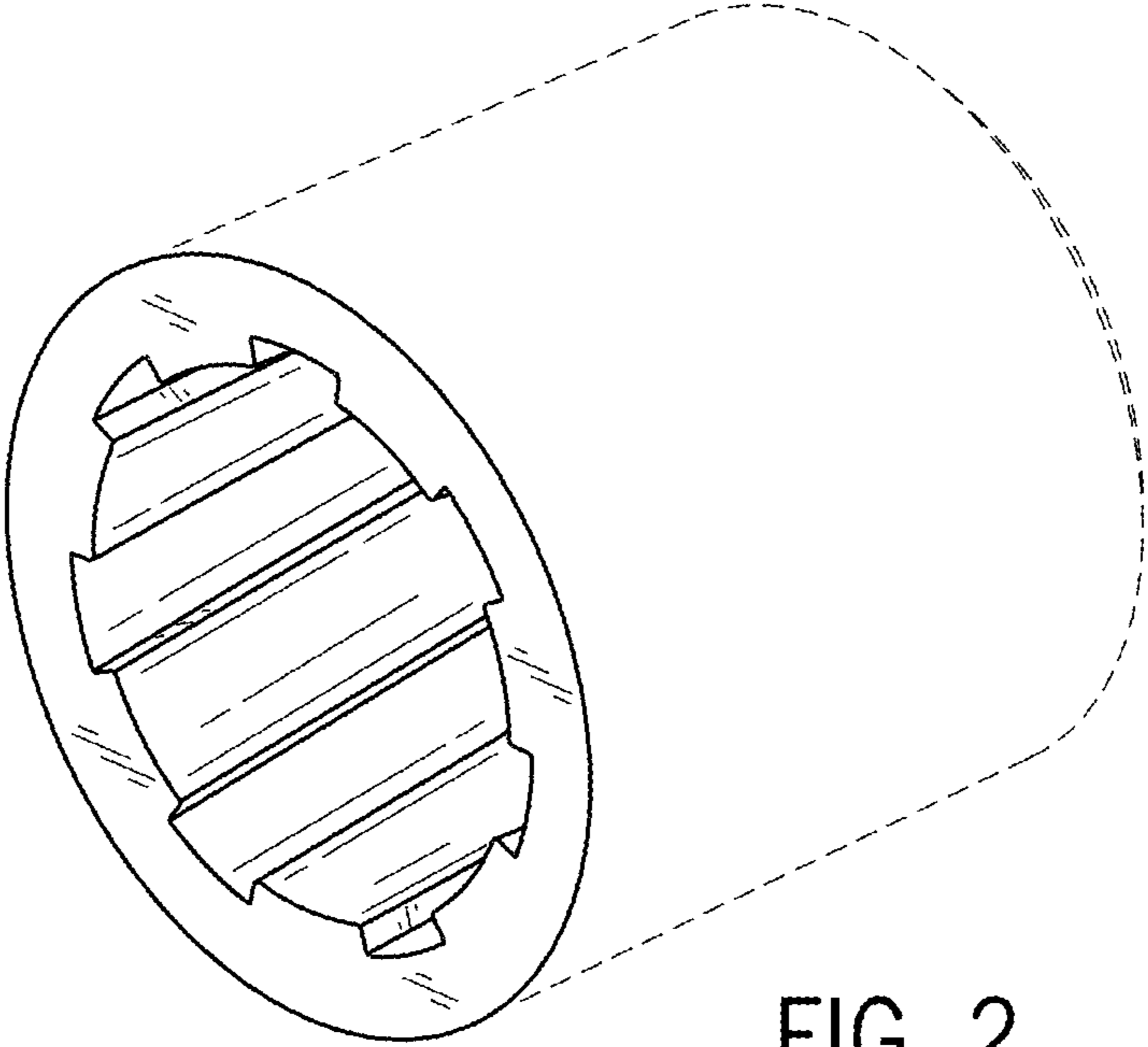


FIG. 2

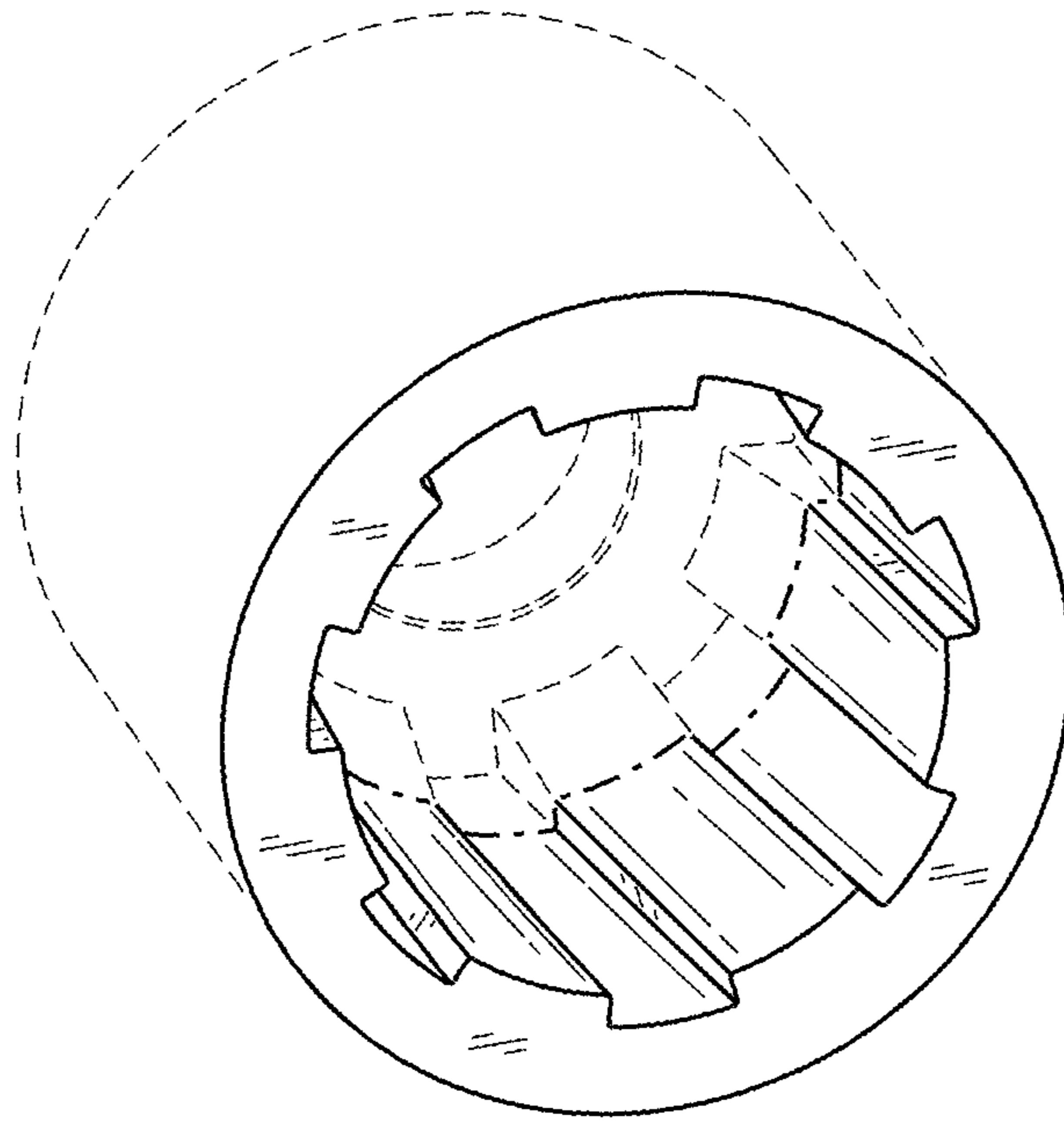


FIG. 3

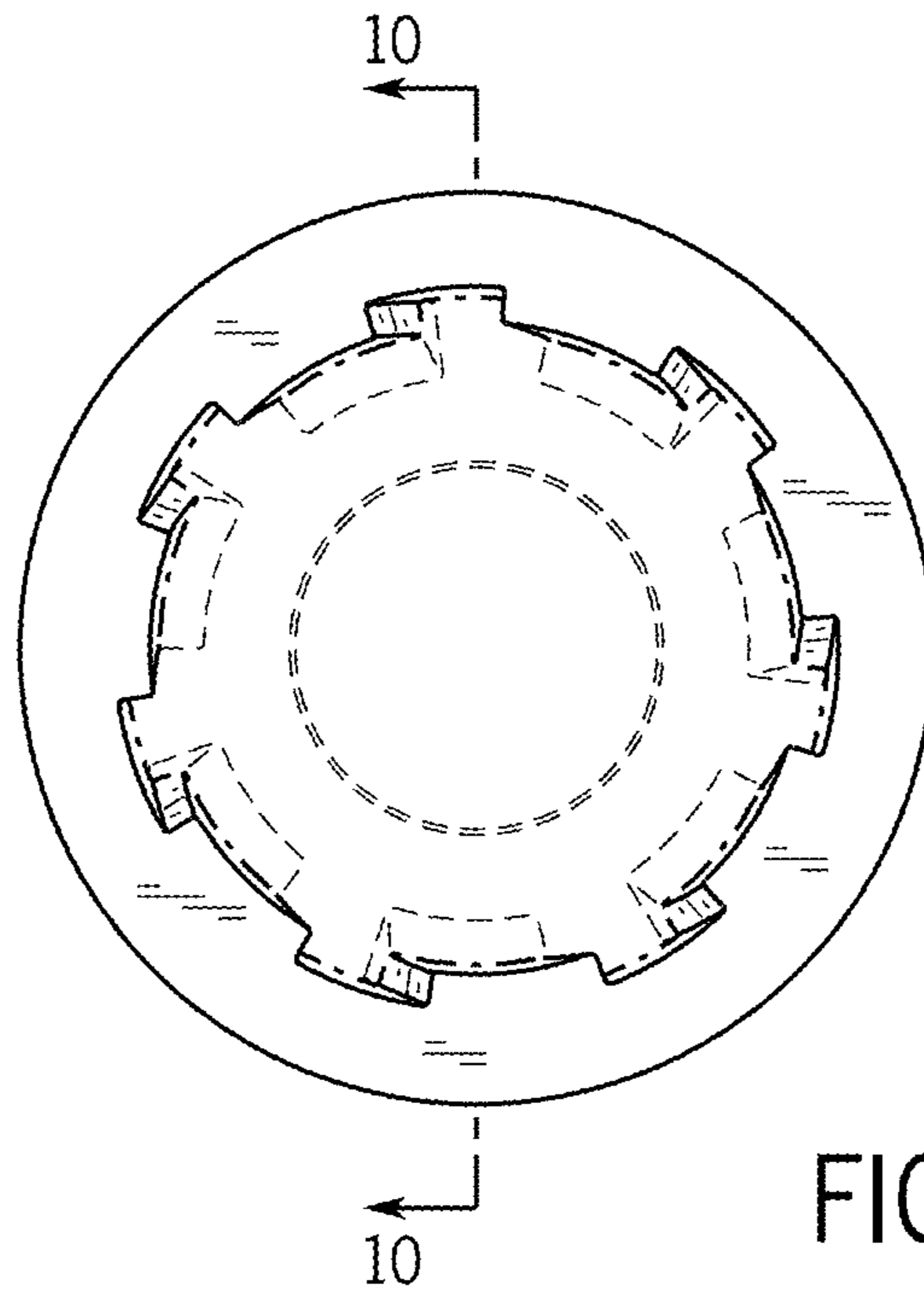


FIG. 4

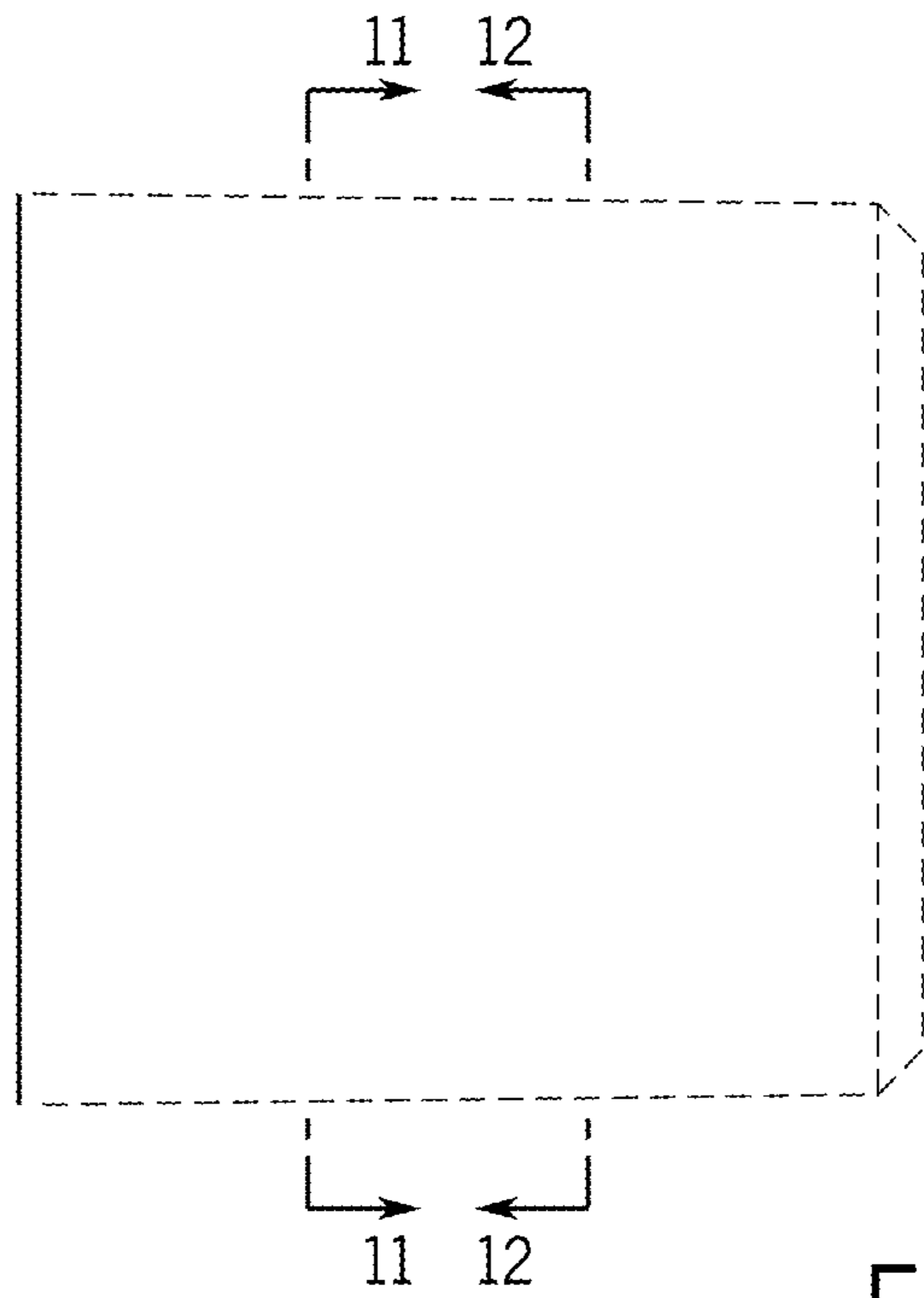


FIG. 5

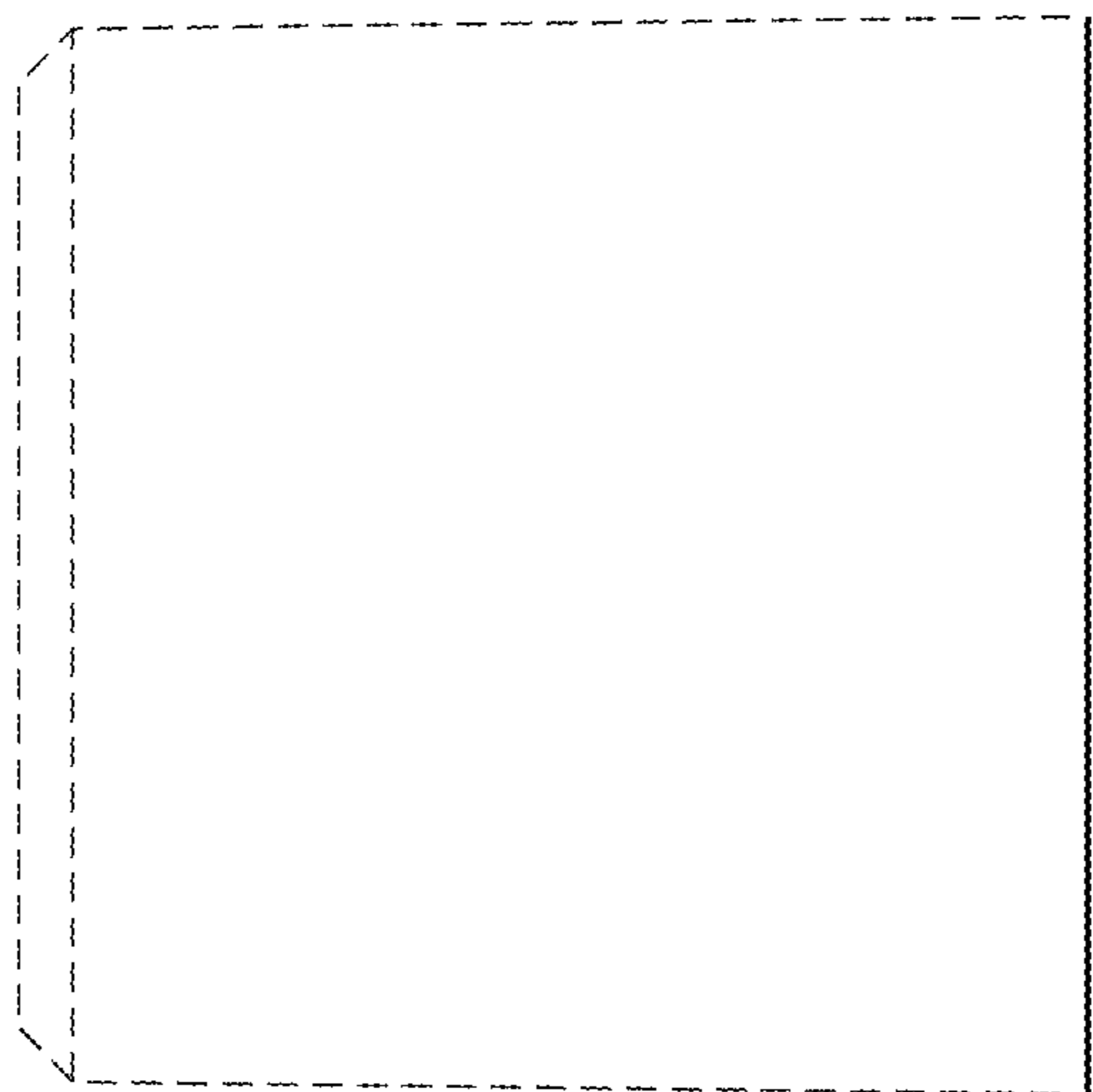


FIG. 6

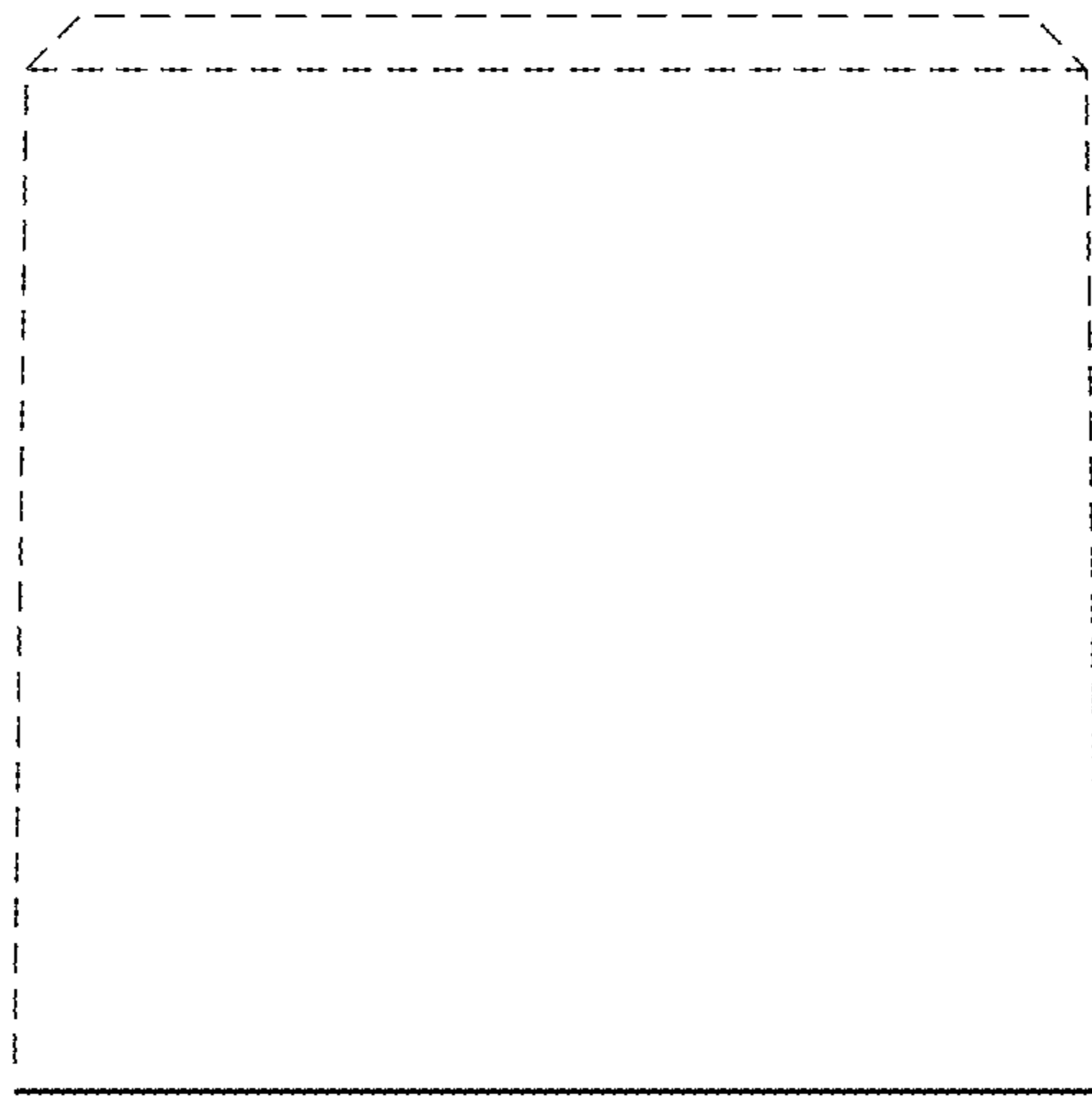


FIG. 7

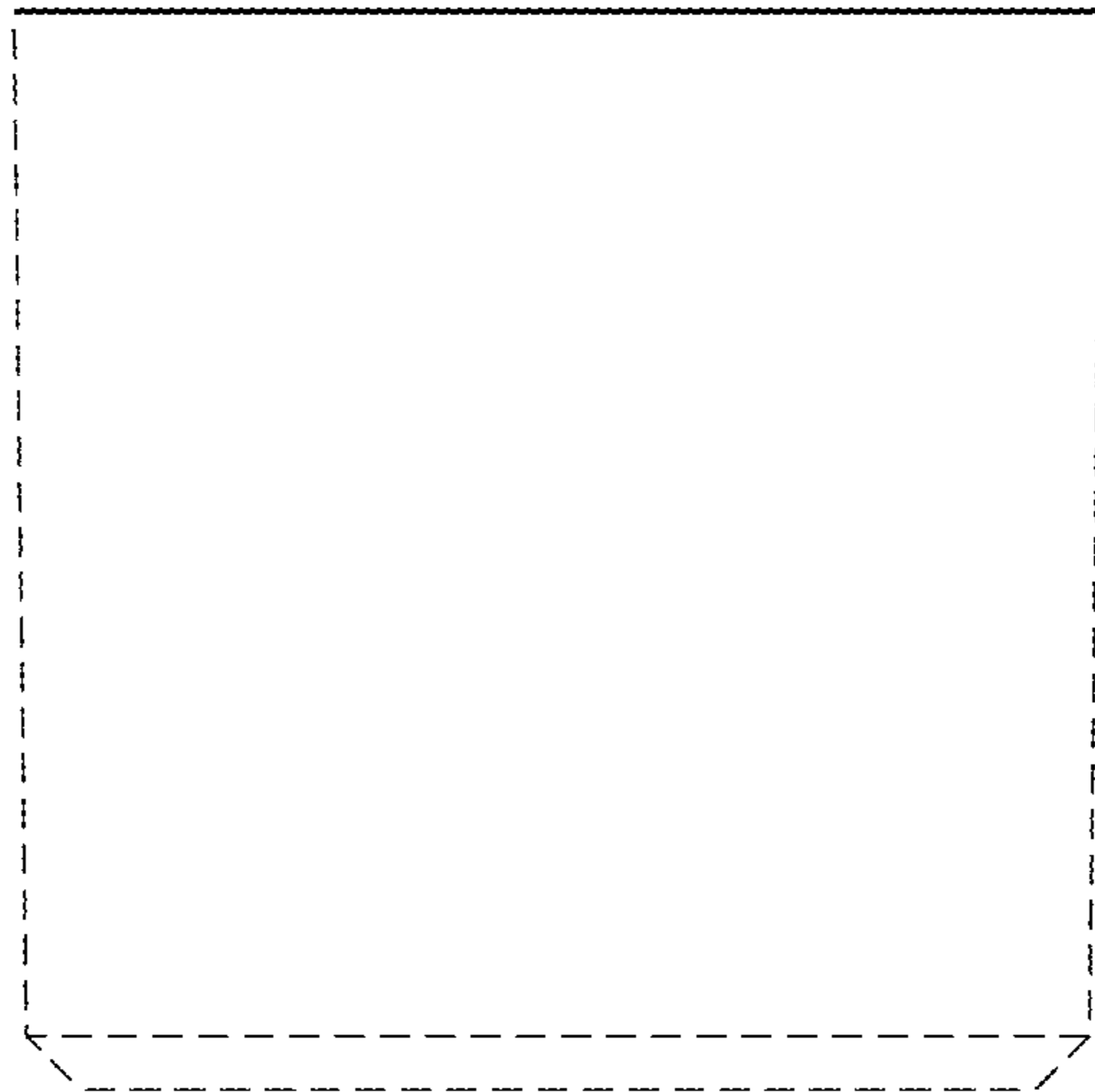


FIG. 8

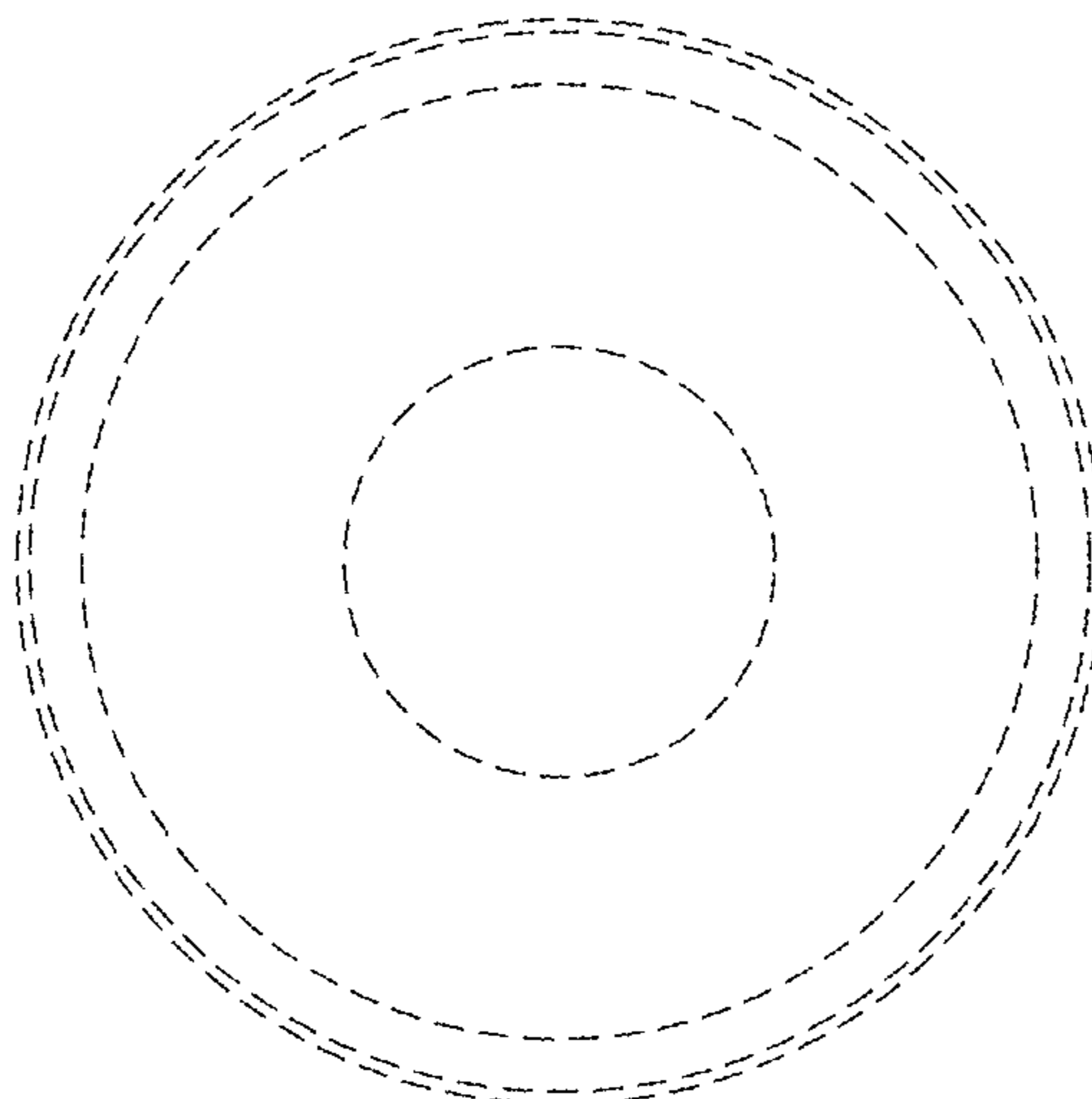


FIG. 9

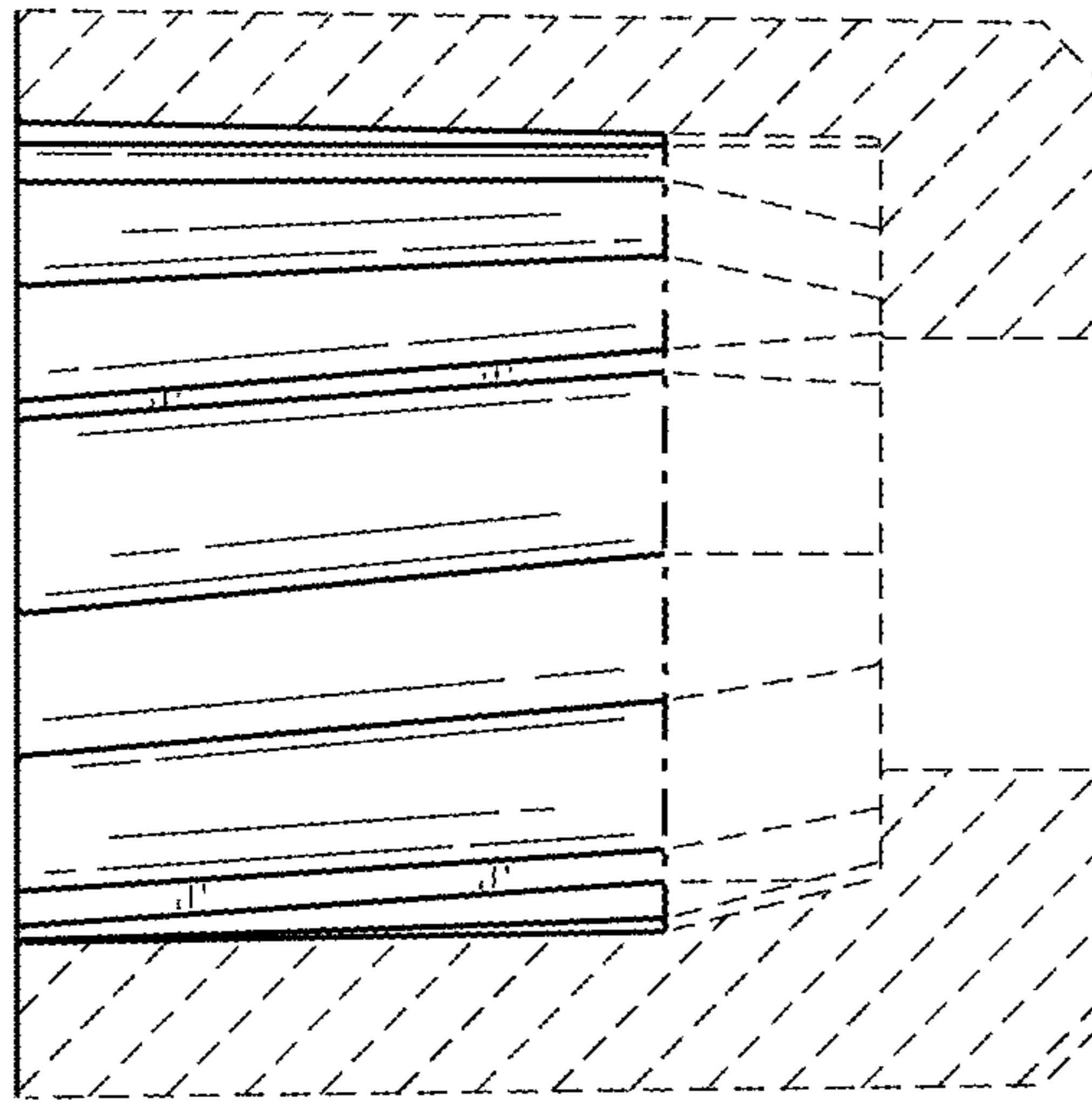


FIG. 10

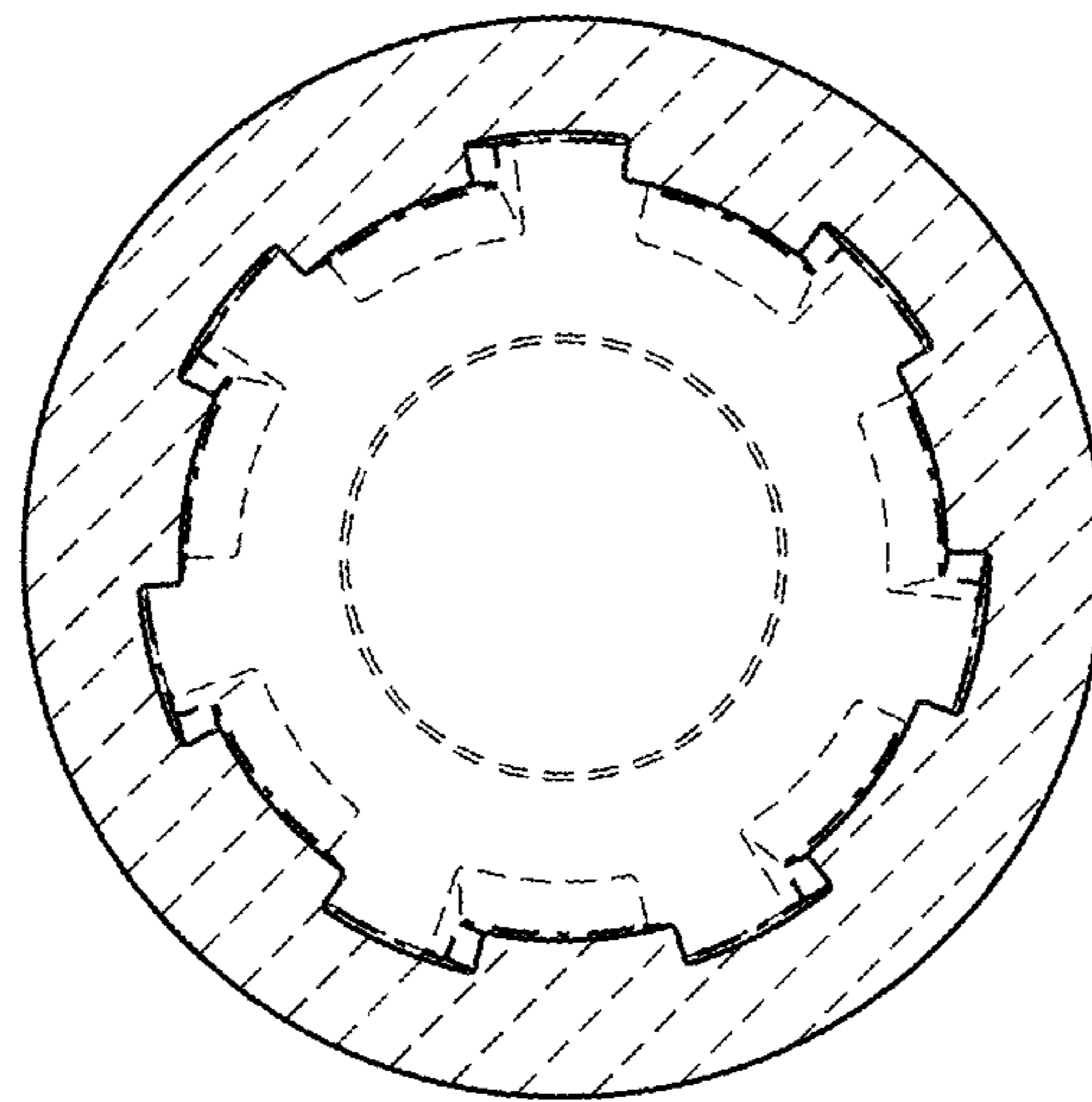


FIG. 11

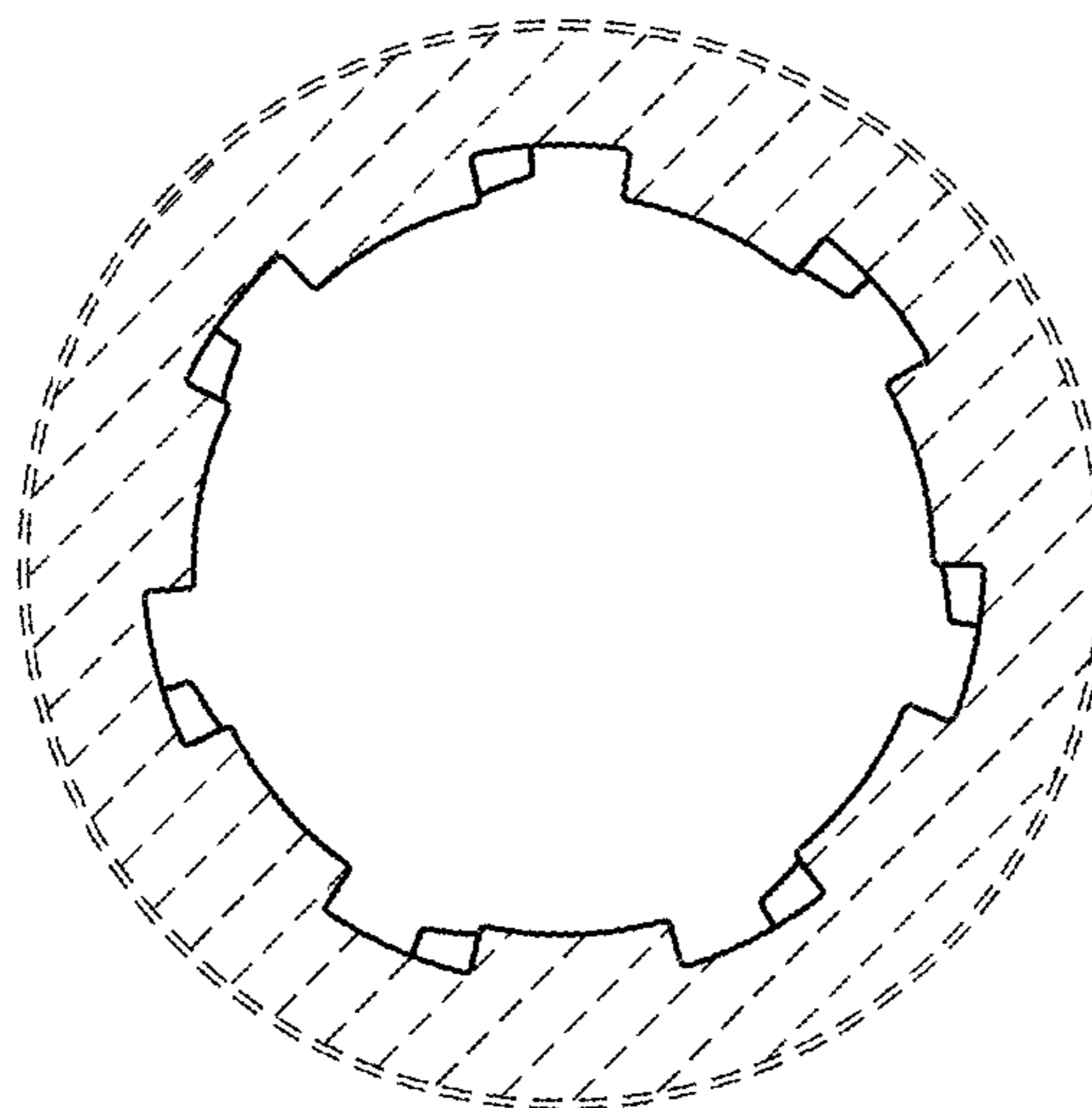


FIG. 12