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

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(54) **GROW TUBE**

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(73) Assignee: **Polyform, Inc.**, Salem, OR (US)

(\*\*) Term: **15 Years**

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(51) **LOC (13) Cl.** ..... **08-01**

(52) **U.S. Cl.**  
USPC ..... **D8/1; D9/711**

(58) **Field of Classification Search**  
USPC ..... D8/1; D9/433, 702, 711, 712  
CPC ..... A01G 13/04; A01G 13/0243; A01G  
13/0281; A01G 9/026; A01G 23/04;  
A01C 14/00; B65D 7/04  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,324,668	A *	12/1919	Harris	.....	A01G 13/0243
					47/30
3,233,730	A *	2/1966	Winters	.....	B65D 71/24
					206/161
D255,422	S *	6/1980	Dutcher	.....	A01G 13/0243
					D9/433
D261,618	S *	11/1981	Oliff	.....	D9/433
D355,847	S *	2/1995	Woolaway	.....	D9/433
5,471,783	A *	12/1995	McLean	.....	A01G 13/0243
					138/166
D474,966	S *	5/2003	Schrem	.....	D9/433
D589,347	S *	3/2009	Dacey	.....	D9/433
D603,258	S *	11/2009	Takekomi	.....	D9/432

(Continued)

**OTHER PUBLICATIONS**

OVS, "Grow Tubes and Milk Cartons," retrieved from <http://ovs.com/product/grow-tubes-milk-cartons> on or before Jan. 8, 2019, 2 pages.

(Continued)

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(57) **CLAIM**

The ornamental design for a grow tube, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of the grow tube, showing the grow tube in a flat configuration.

FIG. 2 is a side elevation view of the grow tube, showing the grow tube in the flat configuration.

FIG. 3 is a top plan view of the grow tube, showing the grow tube in the flat configuration.

FIG. 4 is a detail view of the grow tube, taken from the perspective 4 indicated in FIG. 1.

FIG. 5 is a detail view of the grow tube, taken from perspective 5 indicated in FIG. 1.

FIG. 6 is a detail view of the grow tube, taken from the perspective 6 indicated in FIG. 1.

FIG. 7 is a detail view of the grow tube, taken from the perspective 7 indicated in FIG. 1.

FIG. 8 is a perspective view of the grow tube, showing the grow tube in a first tubular configuration.

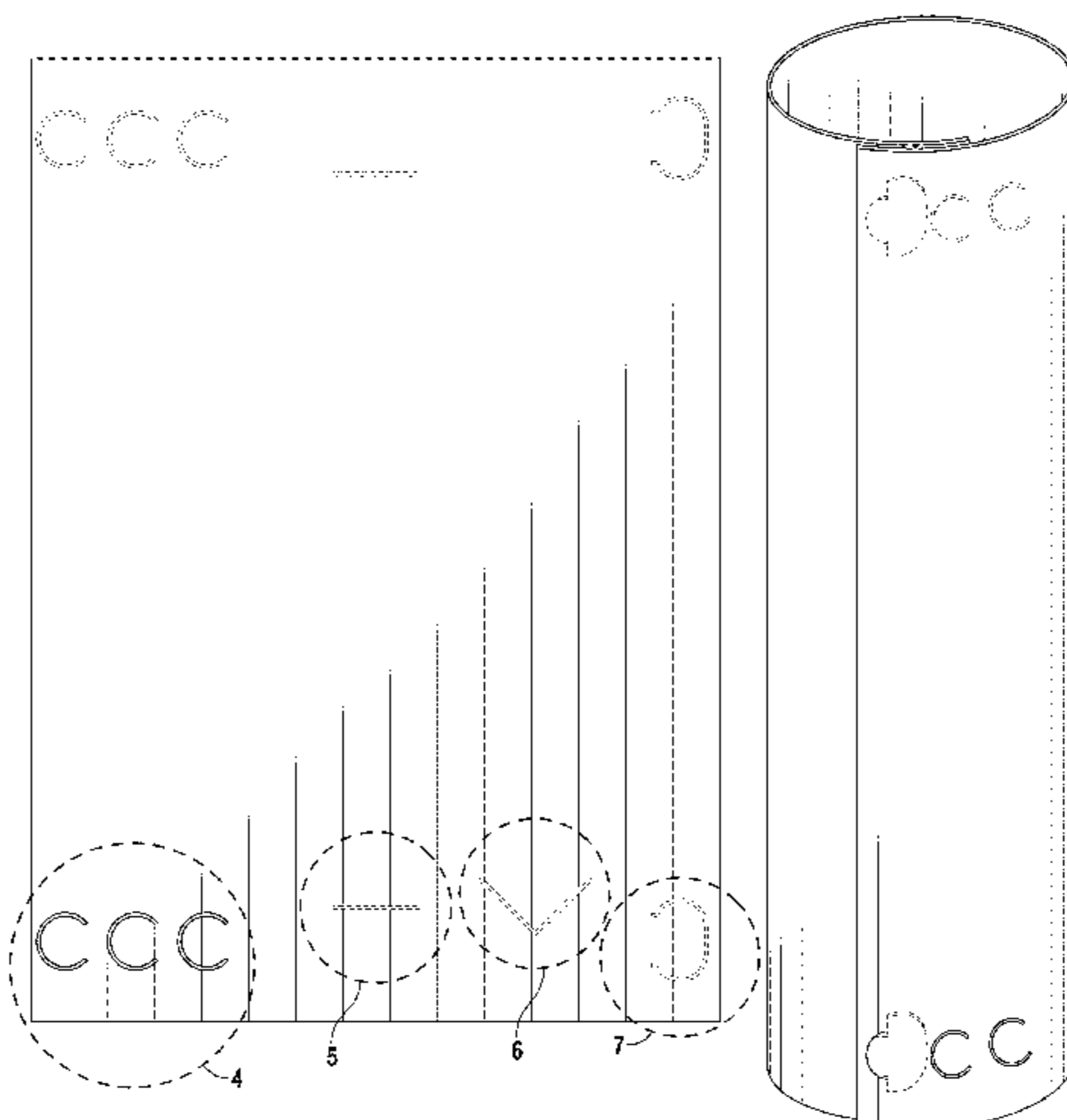
FIG. 9 is a perspective view of the grow tube, showing the grow tube in a second tubular configuration.

FIG. 10 is a perspective view of the grow tube, showing the grow tube in a third tubular configuration; and,

FIG. 11 is a perspective view of the grow tube, showing the grow tube in the first tubular configuration and in an exemplary environment.

The broken lines shown in the drawings depict portions of the grow tube and environment that form no part of the claim.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D863,978 S \* 10/2019 van den Hurk ..... D9/707  
D891,248 S \* 7/2020 Quach ..... D9/433  
2021/0092909 A1\* 4/2021 Doyle ..... A01G 13/0237

OTHER PUBLICATIONS

Plantra, "Grow Tubes for Trees," retrieved from [https://www.plantra.com/GROW-TUBES-FOR-TREES\\_c\\_119.html](https://www.plantra.com/GROW-TUBES-FOR-TREES_c_119.html) on or before Jan. 8, 2019, 3 pages.

Plantra, "Grow Tubes for Vines," retrieved from [https://www.plantra.com/GROW-TUBES-FOR-VINES\\_c\\_121.html](https://www.plantra.com/GROW-TUBES-FOR-VINES_c_121.html) on or before Jan. 8, 2019, 4 pages.

Wilson Orchard & Vineyard Supply, "Vine Shelters & Tubes," retrieved from <https://www.wilsonirr.com/ecommerce/vineyard/vine-shelters-tubes.php> on or before Jan. 8, 2019, 1 page.

Wilson Orchard and Vineyard Supply, "Tree Guards," retrieved from <https://www.wilsonirr.com/ecommerce/tree-training-protectors/tree-guards.php> on or before Jan. 8, 2019, 2 pages.

\* cited by examiner

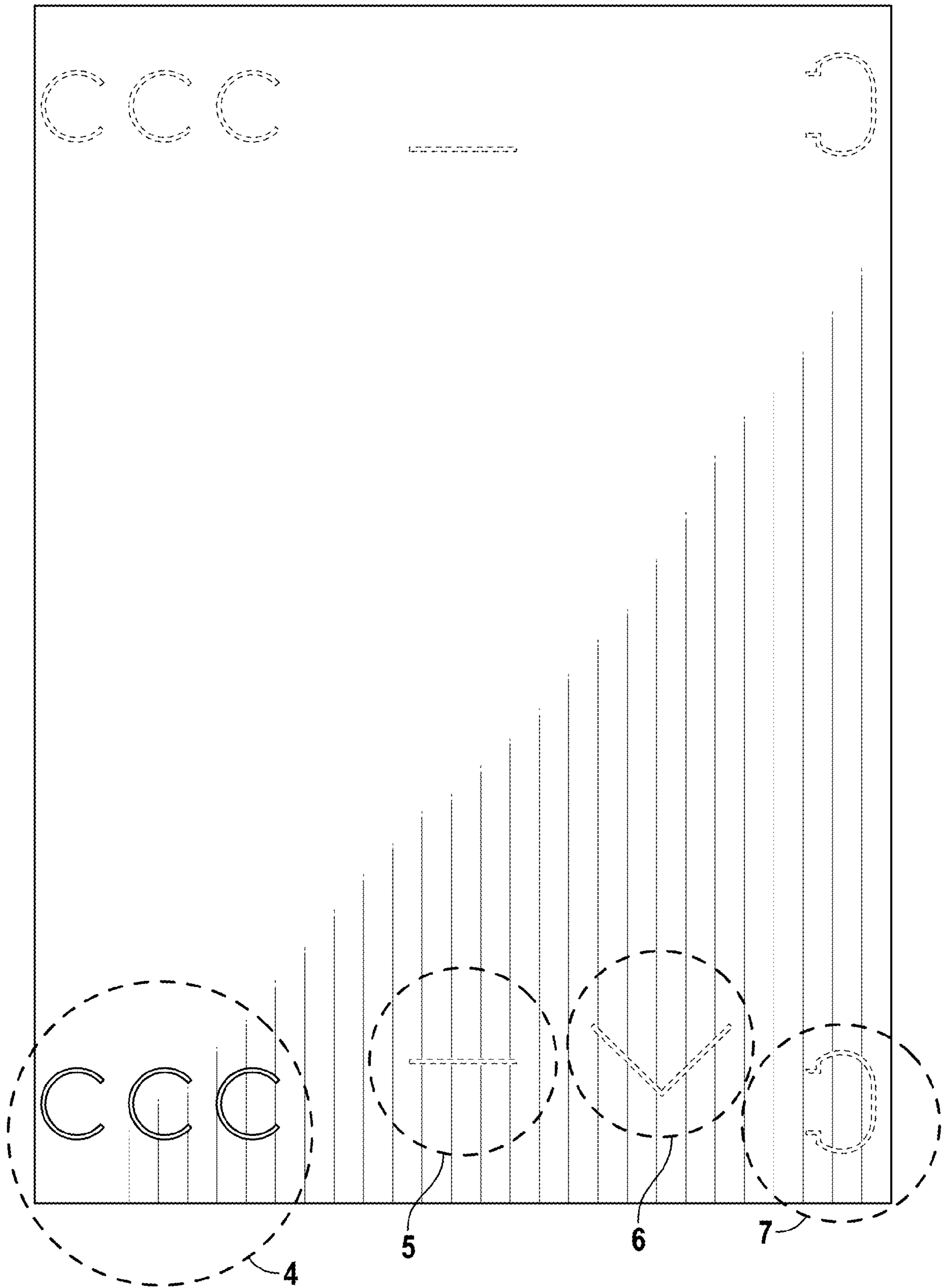


FIG. 1



FIG. 2



FIG. 3

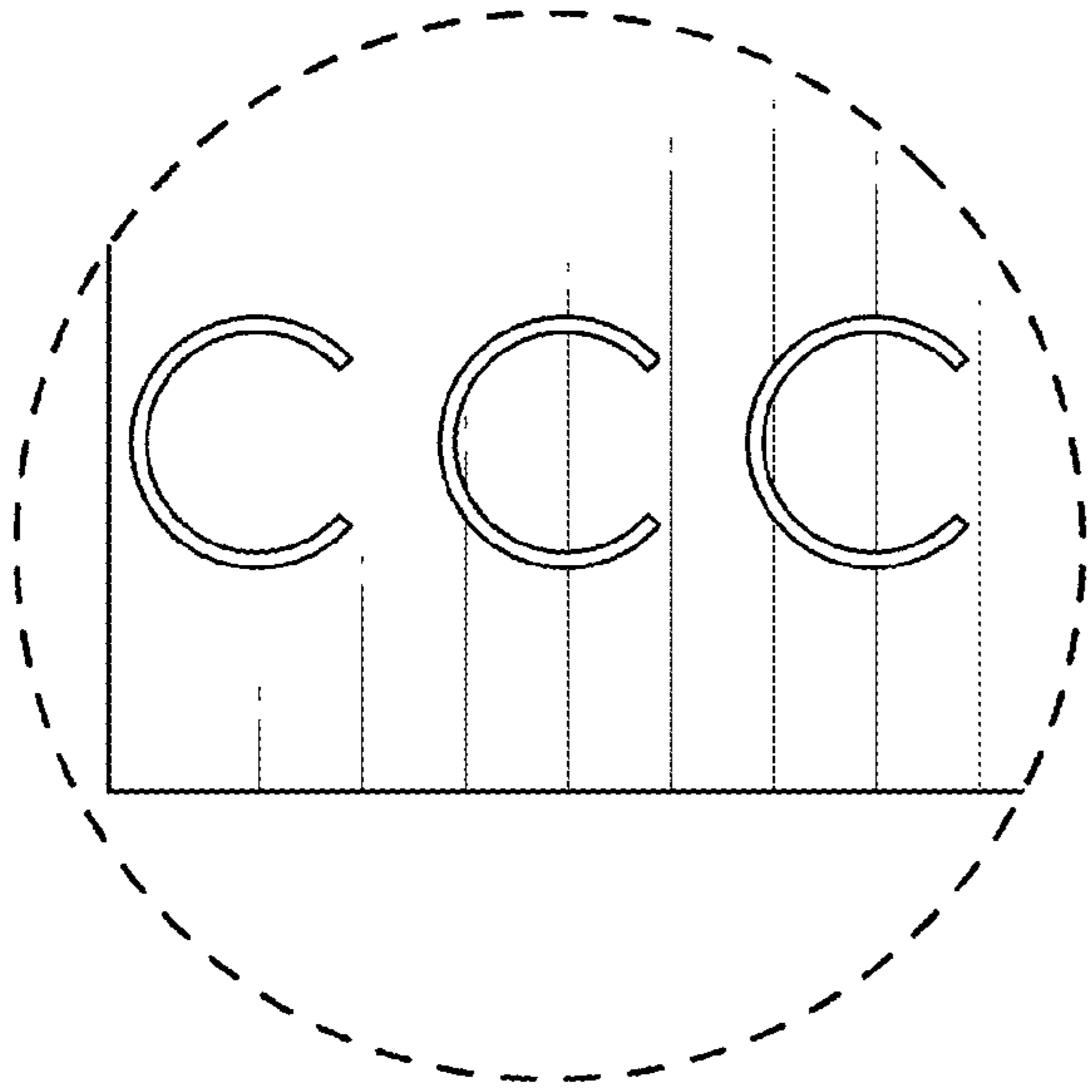


FIG. 4

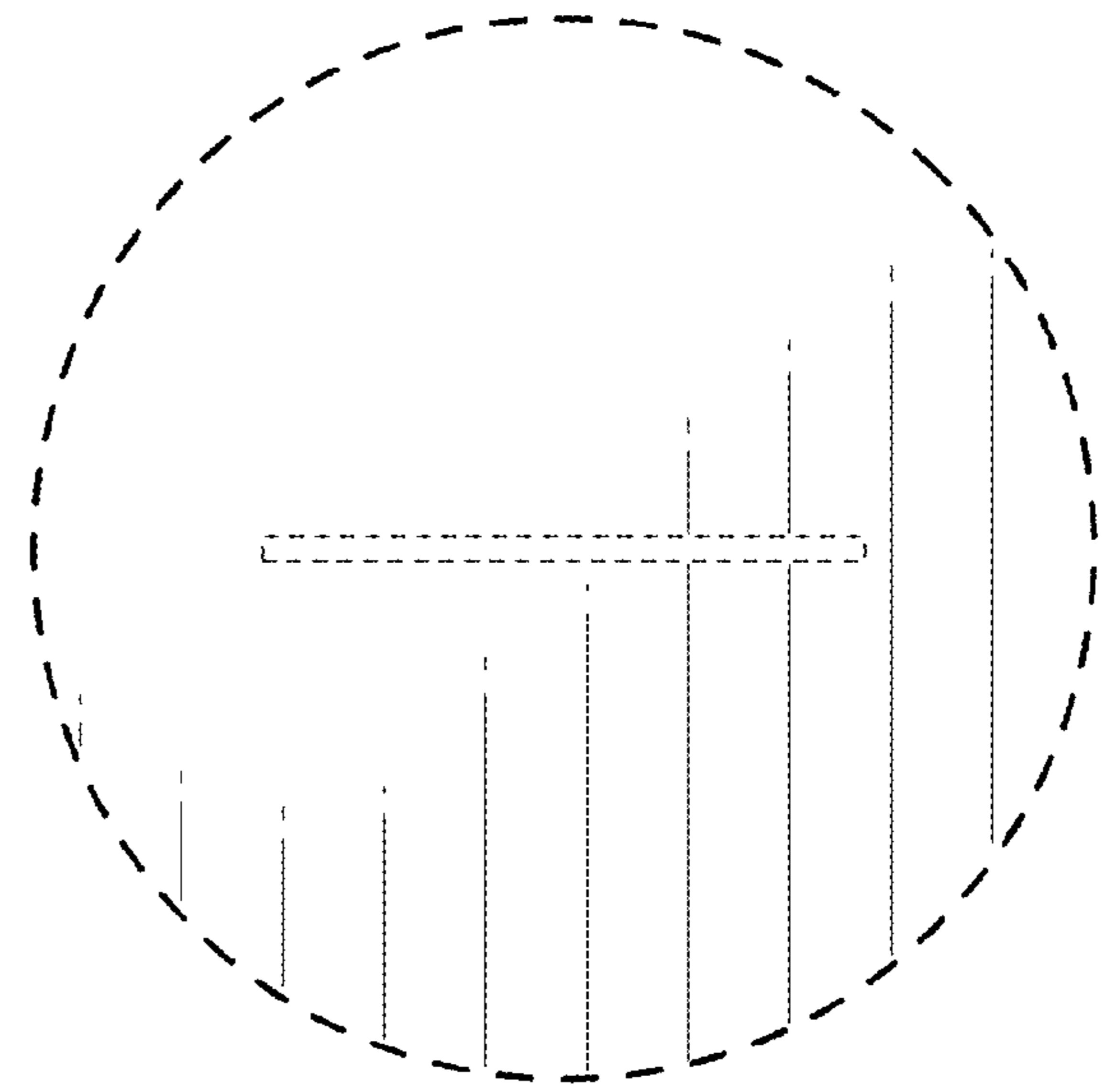


FIG. 5

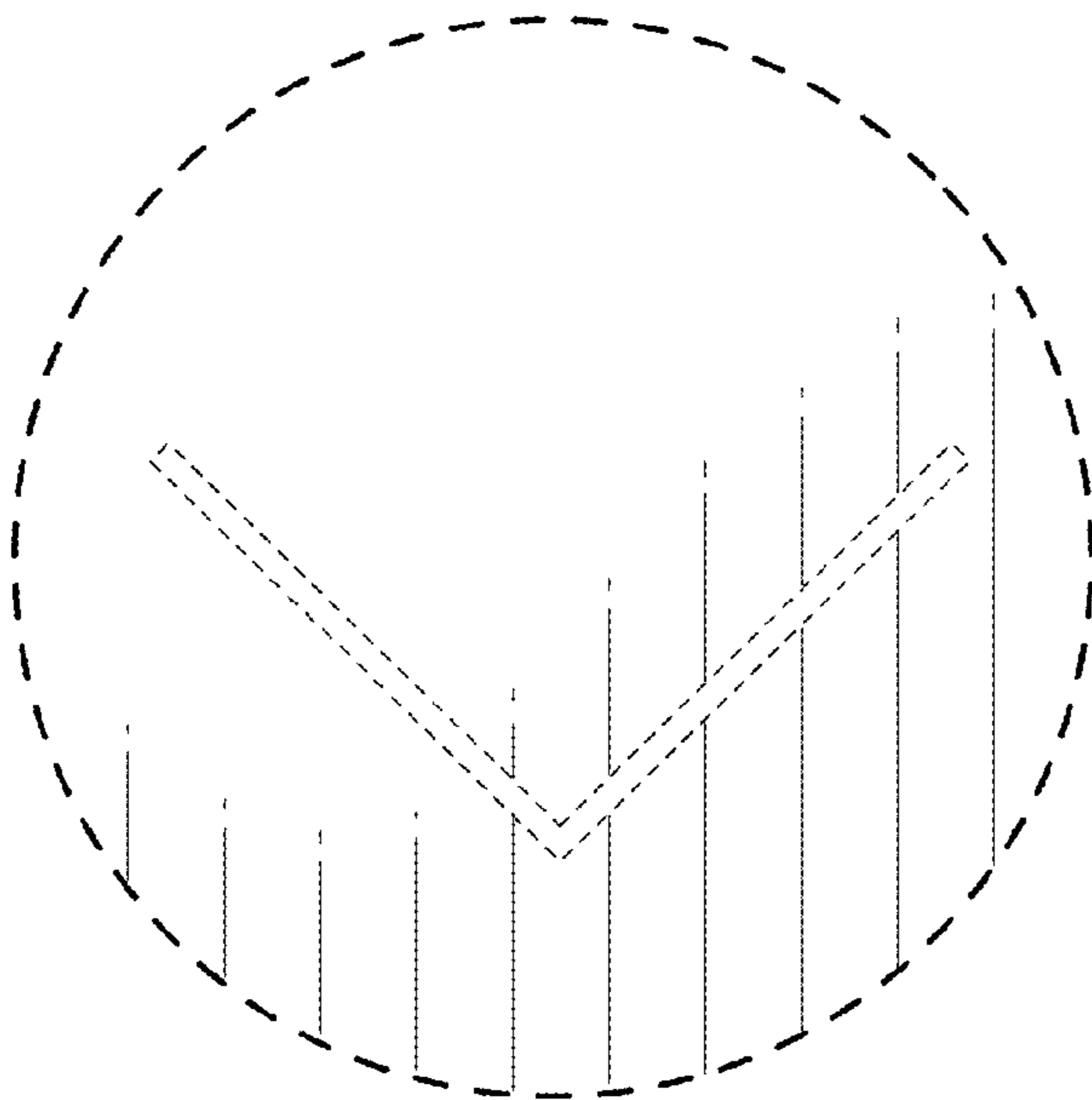


FIG. 6

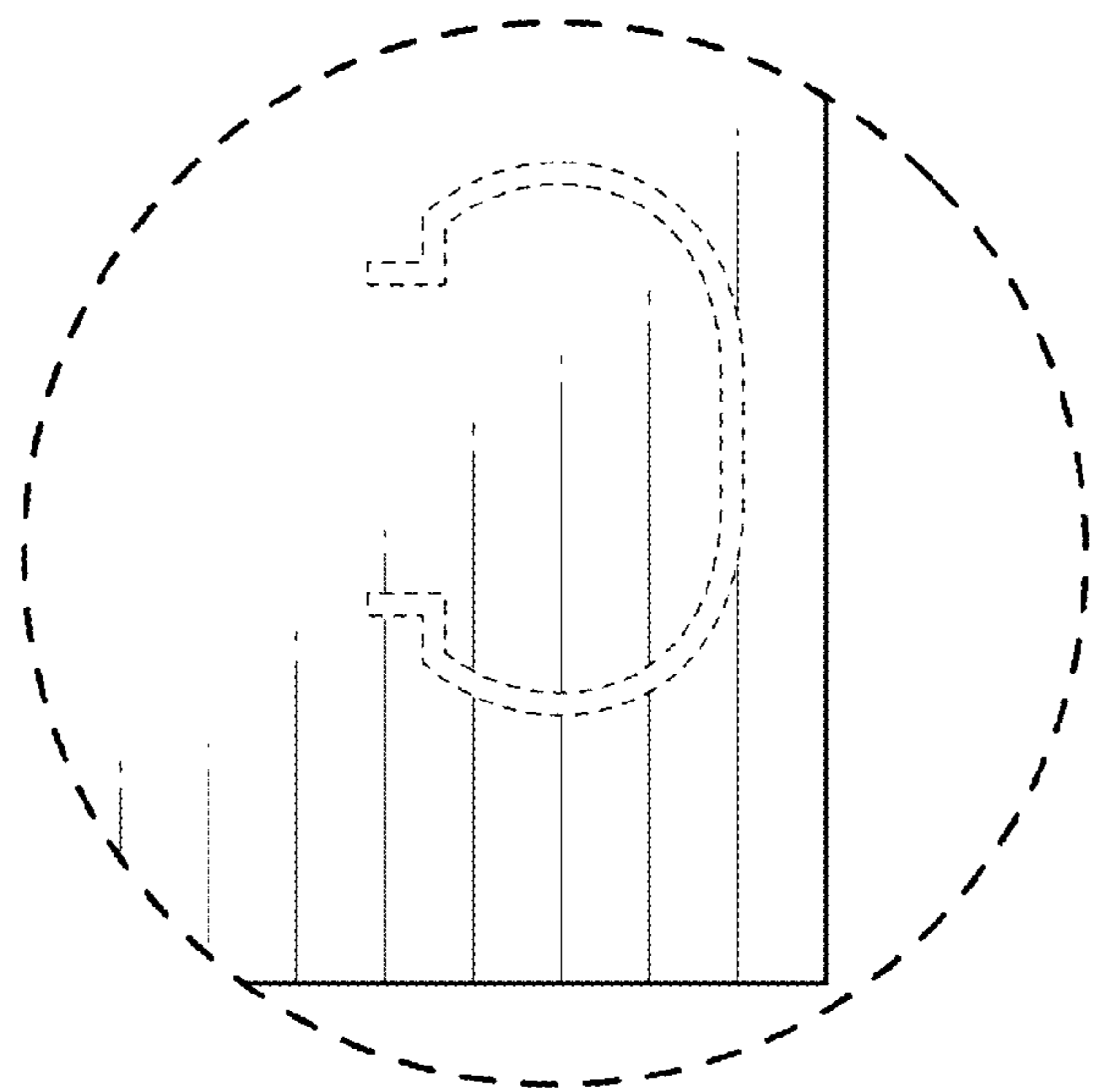


FIG. 7

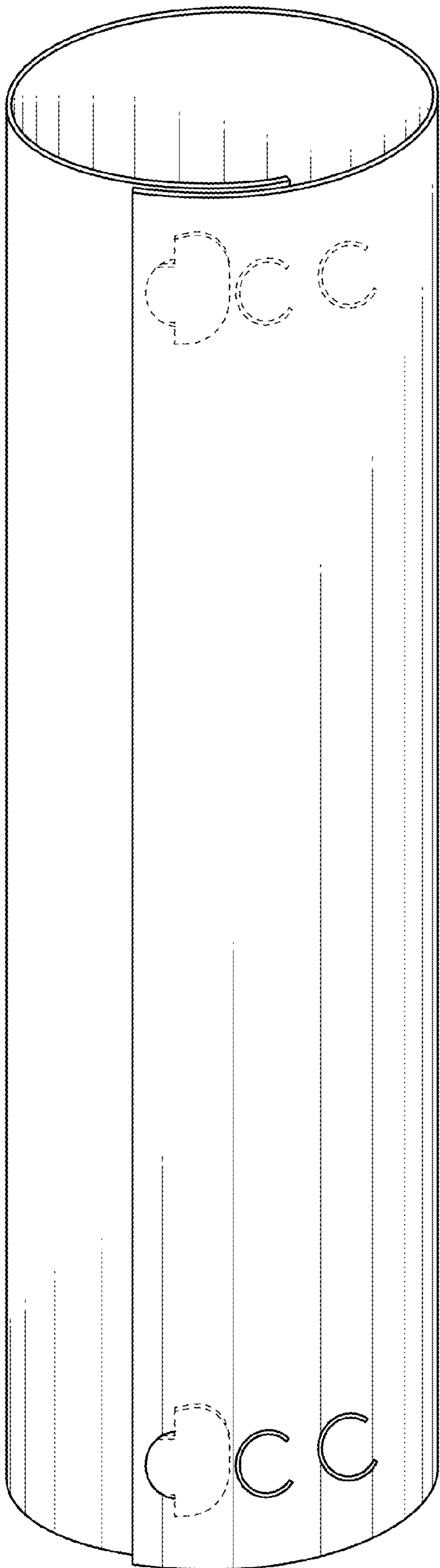


FIG. 8

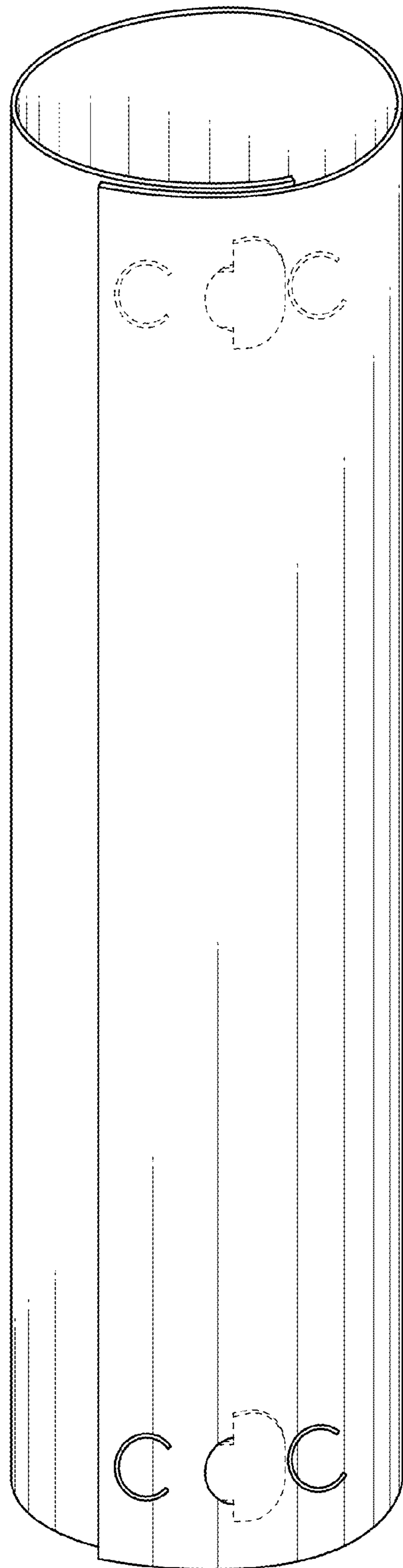


FIG. 9

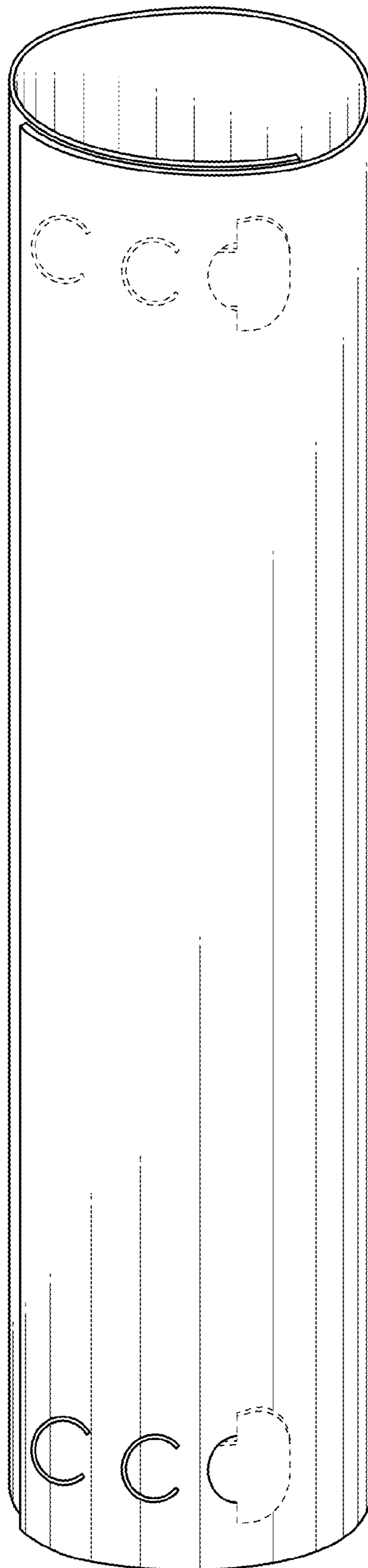


FIG. 10

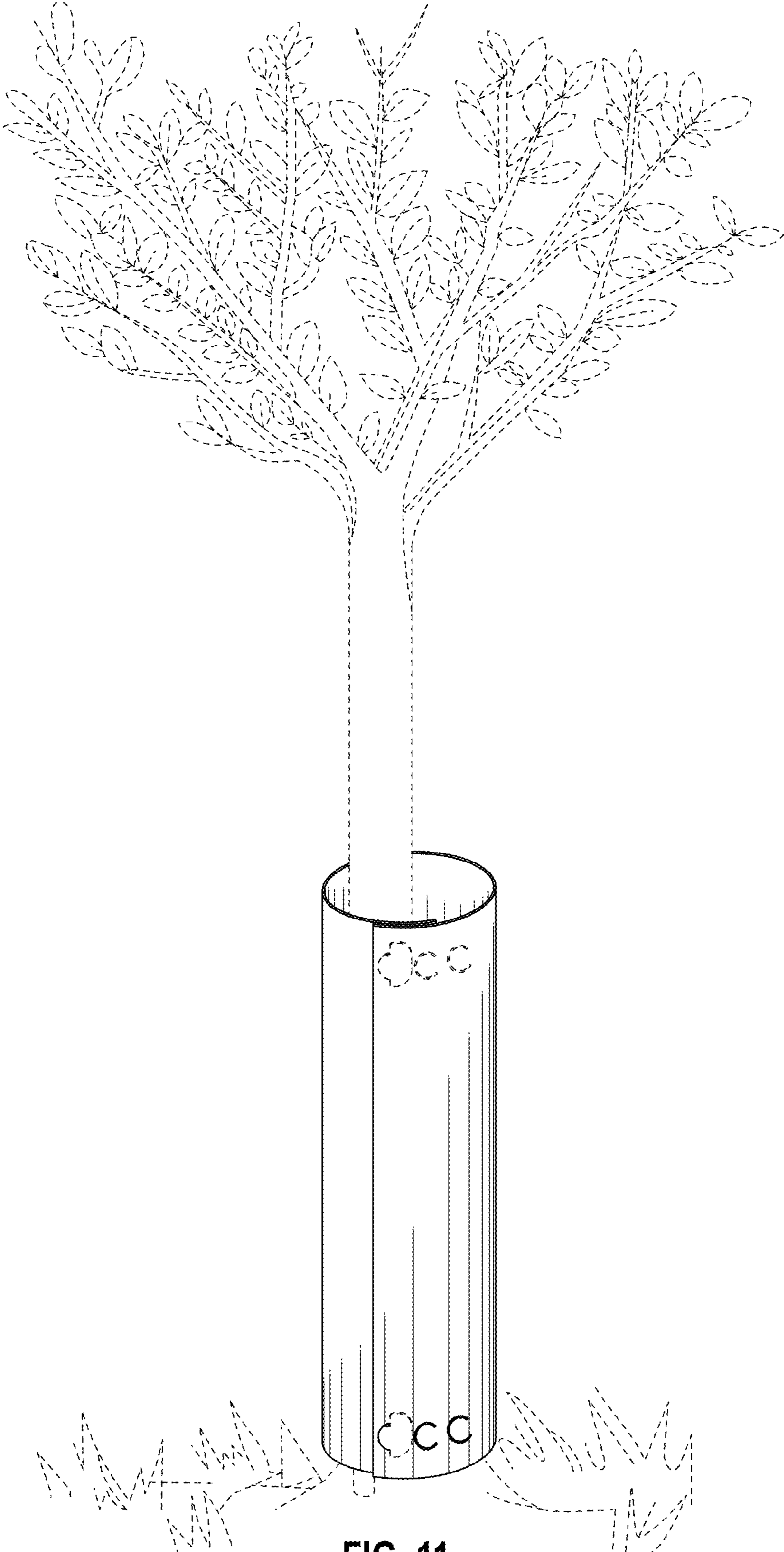


FIG. 11