



US00D718467S

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

(10) **Patent No.:** **US D718,467 S**

(45) **Date of Patent:** **** Nov. 25, 2014**

(54) **3-DIMENSIONAL LARGE CAPACITY CELL
ENCAPSULATION DEVICE**

D473,318 S * 4/2003 Barbera-Guillem D24/225
D485,241 S * 1/2004 Lee D13/179
D536,774 S * 2/2007 Kuo et al. D23/330
D619,232 S * 7/2010 Ragaini D23/330

(71) Applicant: **ViaCyte, Inc.**, San Diego, CA (US)

(Continued)

(72) Inventors: **Vincent So**, San Diego, CA (US); **Laura
Martinson**, San Diego, CA (US); **Chad
Green**, San Diego, CA (US); **Michael
Scott**, San Diego, CA (US)

Primary Examiner — T. Chase Nelson

Assistant Examiner — Mark Cavanna

(74) *Attorney, Agent, or Firm* — Kilpatrick Townsend &
Stockton LLP

(73) Assignee: **ViaCyte, Inc.**, San Diego, CA (US)

(57) **CLAIM**

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

The ornamental design for a 3-dimensional large capacity cell
encapsulation device, as shown and described.

(21) Appl. No.: **29/484,356**

DESCRIPTION

(22) Filed: **Mar. 7, 2014**

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/216, 222, 224–232; 422/63–67,
422/99–104, 509, 552, 553, 549, 569, 400,
422/423, 488; D23/330, 358; D13/179;
D1/199; D30/160; D7/701, 387;
D25/123; 210/638; 435/29, 177, 371,
435/325; 623/1.41, 23.72; 141/327;
424/422, 424; 604/891.1

See application file for complete search history.

FIG. 1 is a perspective view of the 3-dimensional large capacity cell
encapsulation device with a single cell chamber in the
shape and form of a tube and having a port on each end.

FIG. 2 is a back elevation view of the 3-dimensional large
capacity cell encapsulation device with a single cell chamber
in the shape and form of a tube and having a port on each end.

FIG. 3 is a front elevation view of the 3-dimensional large
capacity cell encapsulation device with a single cell chamber
in the shape and form of a tube and having a port on each end.

FIG. 4 is a top plan view of the 3-dimensional large capacity
cell encapsulation device with a single cell chamber in the
shape and form of a tube and having a port on each end.

FIG. 5 is a bottom plan view of the 3-dimensional large
capacity cell encapsulation device with a single cell chamber
in the shape and form of a tube and having a port on each end.

FIG. 6 is a right elevation view of the 3-dimensional large
capacity cell encapsulation device with a single cell chamber
in the shape and form of a tube and having a port on each end;
and,

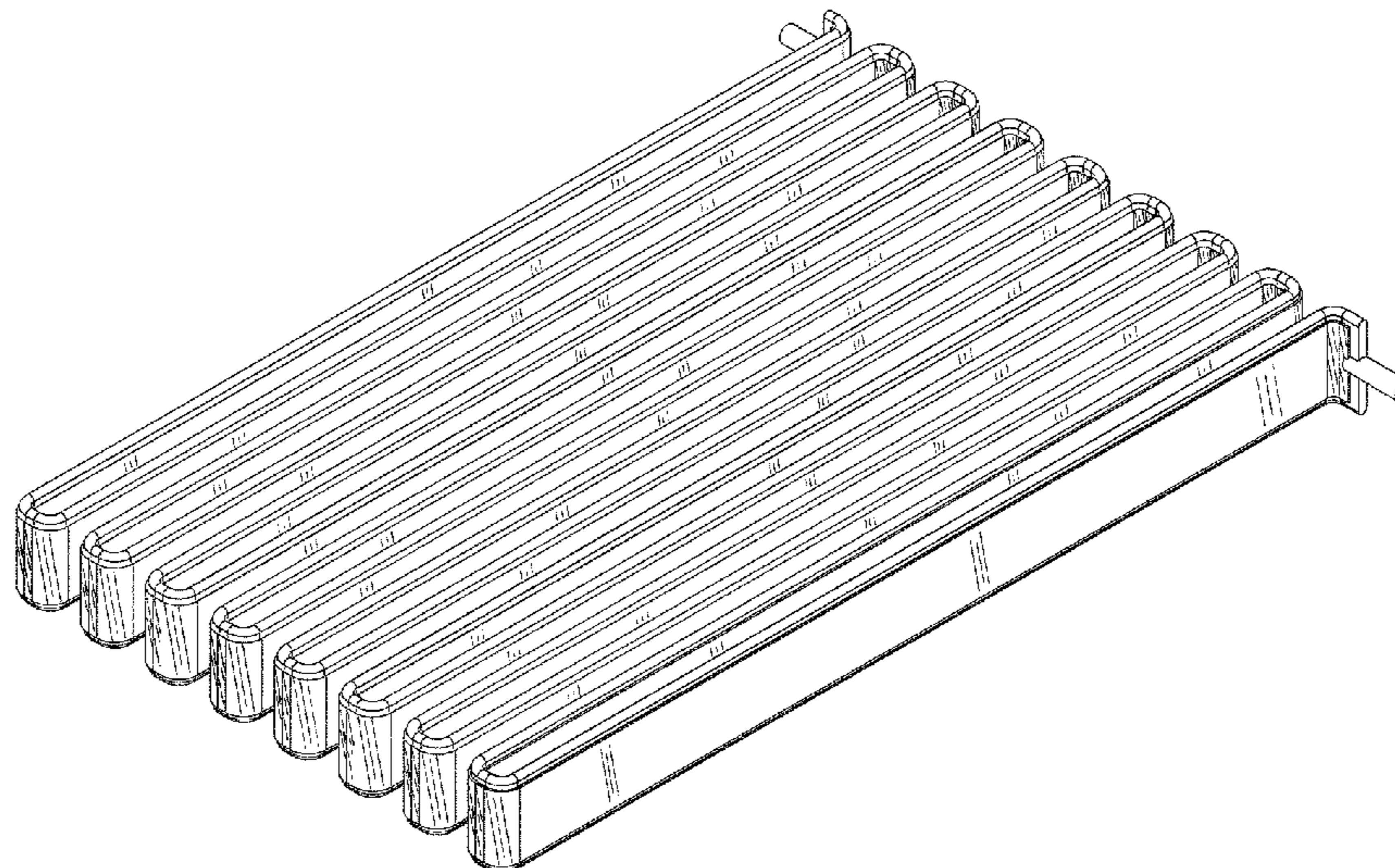
FIG. 7 is a left elevation view of the 3-dimensional large
capacity cell encapsulation device with a single cell chamber
in the shape and form of a tube and having a port on each end.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D254,506 S * 3/1980 Holmberg D23/358
D270,092 S * 8/1983 Lacasse D25/123
D278,140 S * 3/1985 Tatum D13/179
D300,293 S * 3/1989 Casey D7/387
D353,747 S * 12/1994 Lanier D7/701
5,980,889 A * 11/1999 Butler et al. 435/177
6,068,775 A * 5/2000 Custer et al. 210/638
D453,977 S * 2/2002 Park et al. D30/160

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D632,799 S *	2/2011	Canner et al.	D24/216	8,414,925 B2 *	4/2013	Freier	424/488
8,278,106 B2 *	10/2012	Martinson et al.	435/371	D692,578 S *	10/2013	Kikuhara et al.	D24/216
D676,118 S *	2/2013	Hansen	D23/330	D706,017 S *	6/2014	King et al.	D1/199
				2009/0068170 A1 *	3/2009	Weitz et al.	435/29
				2009/0105811 A1 *	4/2009	Dinh et al.	623/1.41

* cited by examiner

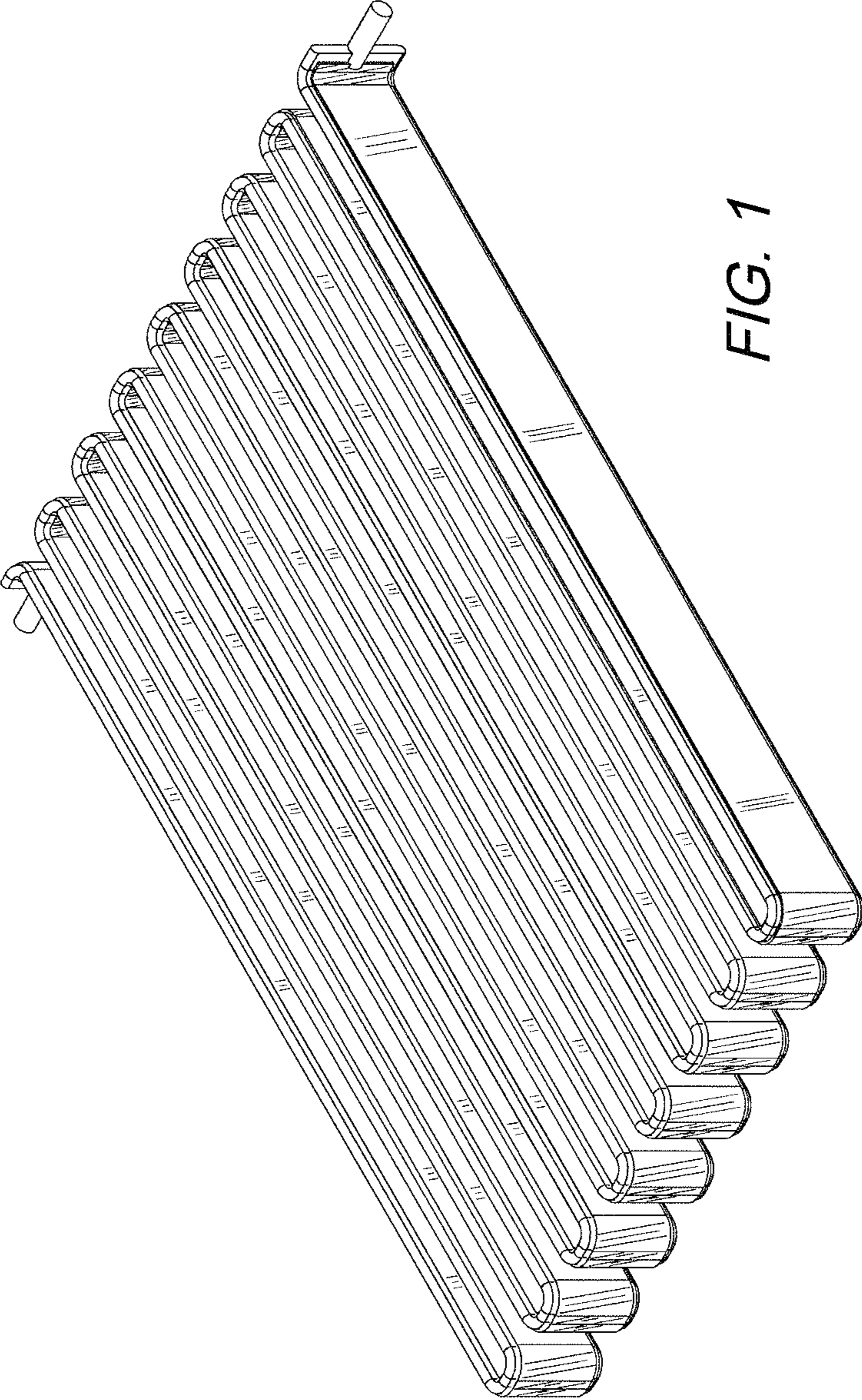


FIG. 1

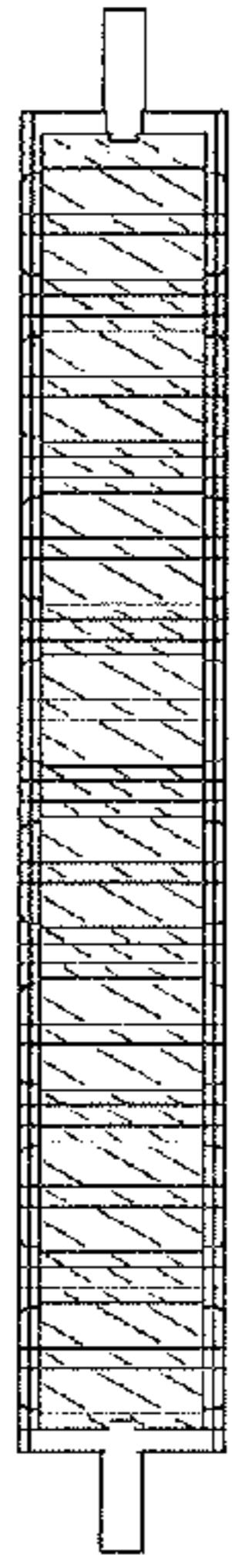


FIG. 2

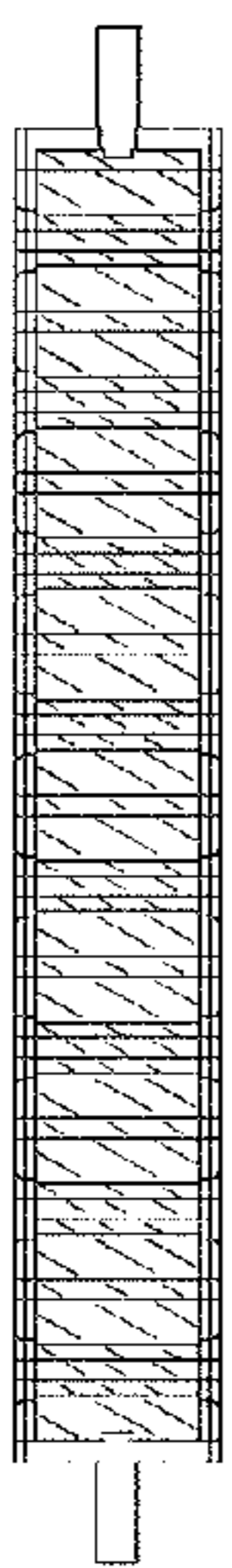


FIG. 3

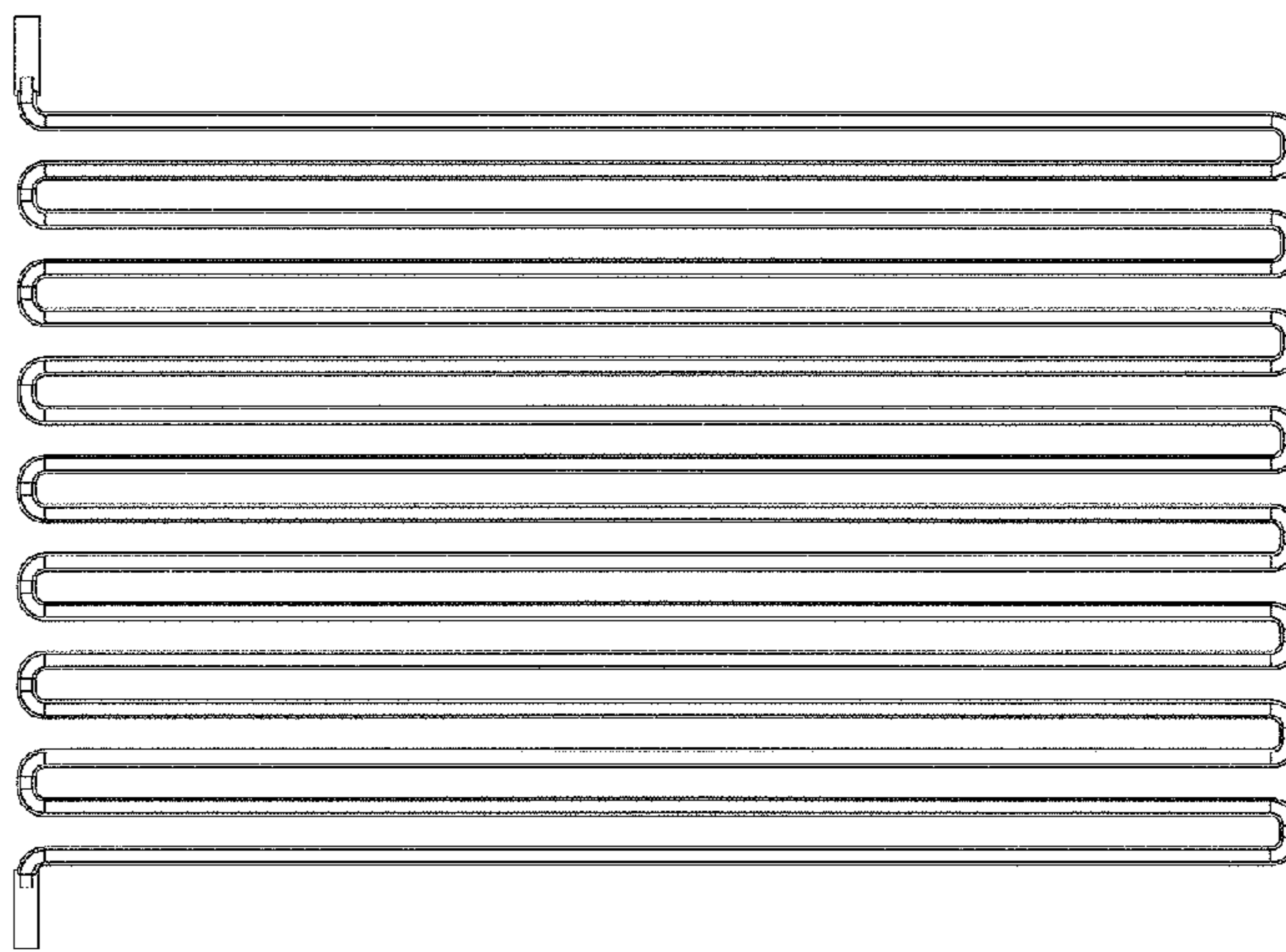


FIG. 4

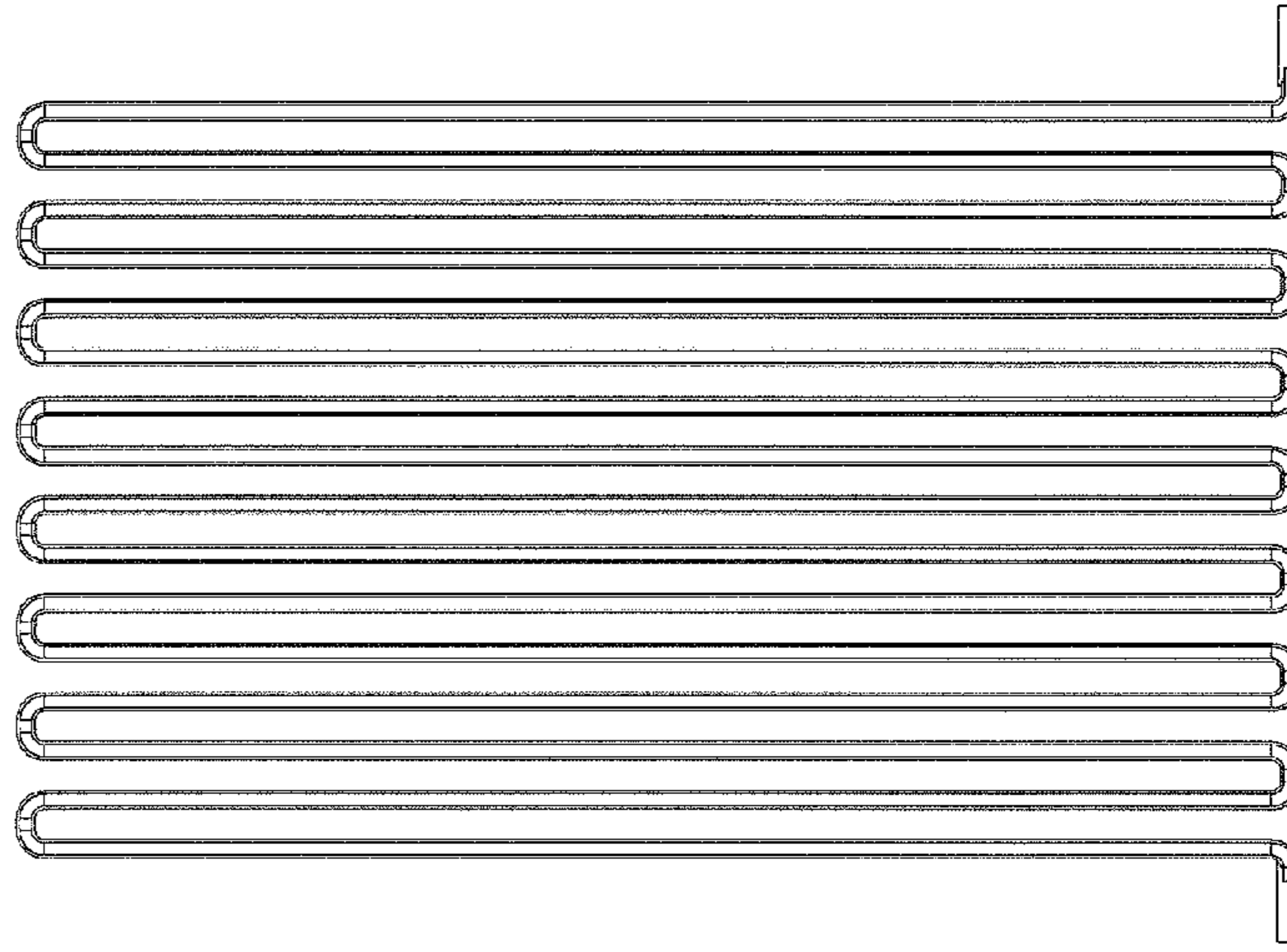


FIG. 5

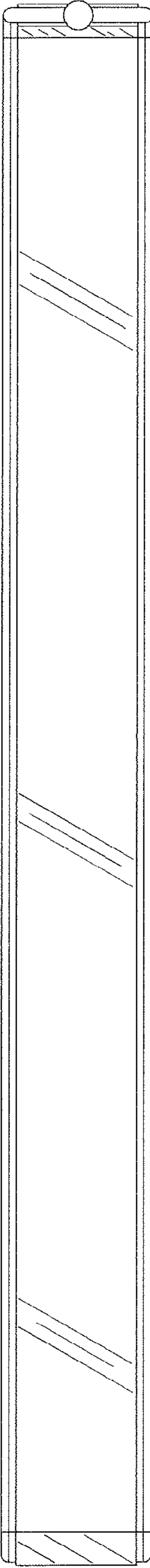


FIG. 6

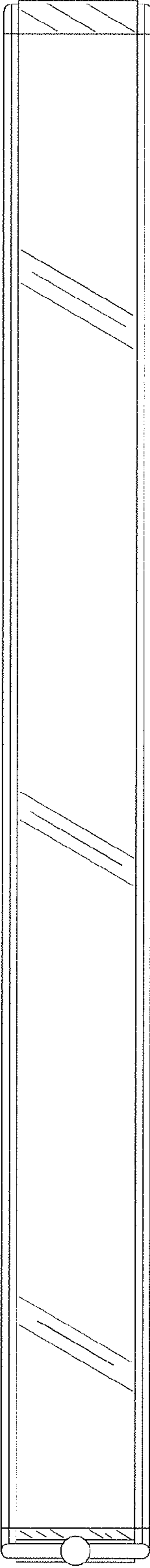


FIG. 7