

US00D635163S

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

(10) **Patent No.:** **US D635,163 S**
(45) **Date of Patent:** **** Mar. 29, 2011**

(54) **CUTTING INSERT FOR METAL CHIP REMOVAL**

(56) **References Cited**

(75) Inventors: **Benjamin Michelet**, Bourges (FR);
Bertrand Riviere, Bourges (FR);
Catherine Jublot, Saint Doulchard (FR);
Francois Auzenat, Bourges (FR)

(73) Assignee: **Seco Tools AB**, Fagersta (SE)

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

(21) Appl. No.: **29/340,731**

(22) Filed: **Jul. 24, 2009**

U.S. PATENT DOCUMENTS

D341,604	S *	11/1993	Hessman	.....	D15/139
7,220,083	B2 *	5/2007	Festean et al.	.....	407/113
7,232,279	B2 *	6/2007	Smilovici et al.	.....	407/113
2005/0084342	A1 *	4/2005	Festean et al.	.....	407/113
2006/0039763	A1 *	2/2006	Lof et al.	.....	407/114
2006/0216122	A1 *	9/2006	Engstrom et al.	.....	407/114
2007/0189864	A1 *	8/2007	Festean et al.	.....	407/113
2009/0290946	A1 *	11/2009	Zastrozynski	.....	407/114
2010/0034602	A1 *	2/2010	Sung et al.	.....	407/113

* cited by examiner

Primary Examiner — Patricia Palasik

(74) *Attorney, Agent, or Firm* — WCB-IP LLP

(57) **CLAIM**

Ornamental designs for cutting insert for metal chip removal, as shown and described.

DESCRIPTION

FIG. 1 is a top, front perspective view of a cutting insert for metal chip removal showing a new design.

FIG. 2 is a top plan view thereof.

FIG. 3 is a left elevational view thereof.

FIG. 4 is a right elevational view thereof.

FIG. 5 is a front elevational view thereof.

FIG. 6 is a rear elevational view thereof; and,

FIG. 7 is a bottom plan view thereof.

The present design relates to cutting inserts for metal chip removal and, more particularly, to families of cutting inserts usable in the same toolholders, preferably in milling cutters. The broken lines in the drawings depict unclaimed environmental subject matter.

Related U.S. Application Data

(63) Continuation of application No. 29/329,366, filed on Dec. 13, 2008, now abandoned.

Foreign Application Priority Data

Jun. 26, 2008 (EM) 000958558

(51) **LOC (9) Cl.** **15-09**

(52) **U.S. Cl.** **D15/139**

(58) **Field of Classification Search** D15/138,
D15/139, 140; 407/35, 42, 112-119

See application file for complete search history.

1 Claim, 1 Drawing Sheet

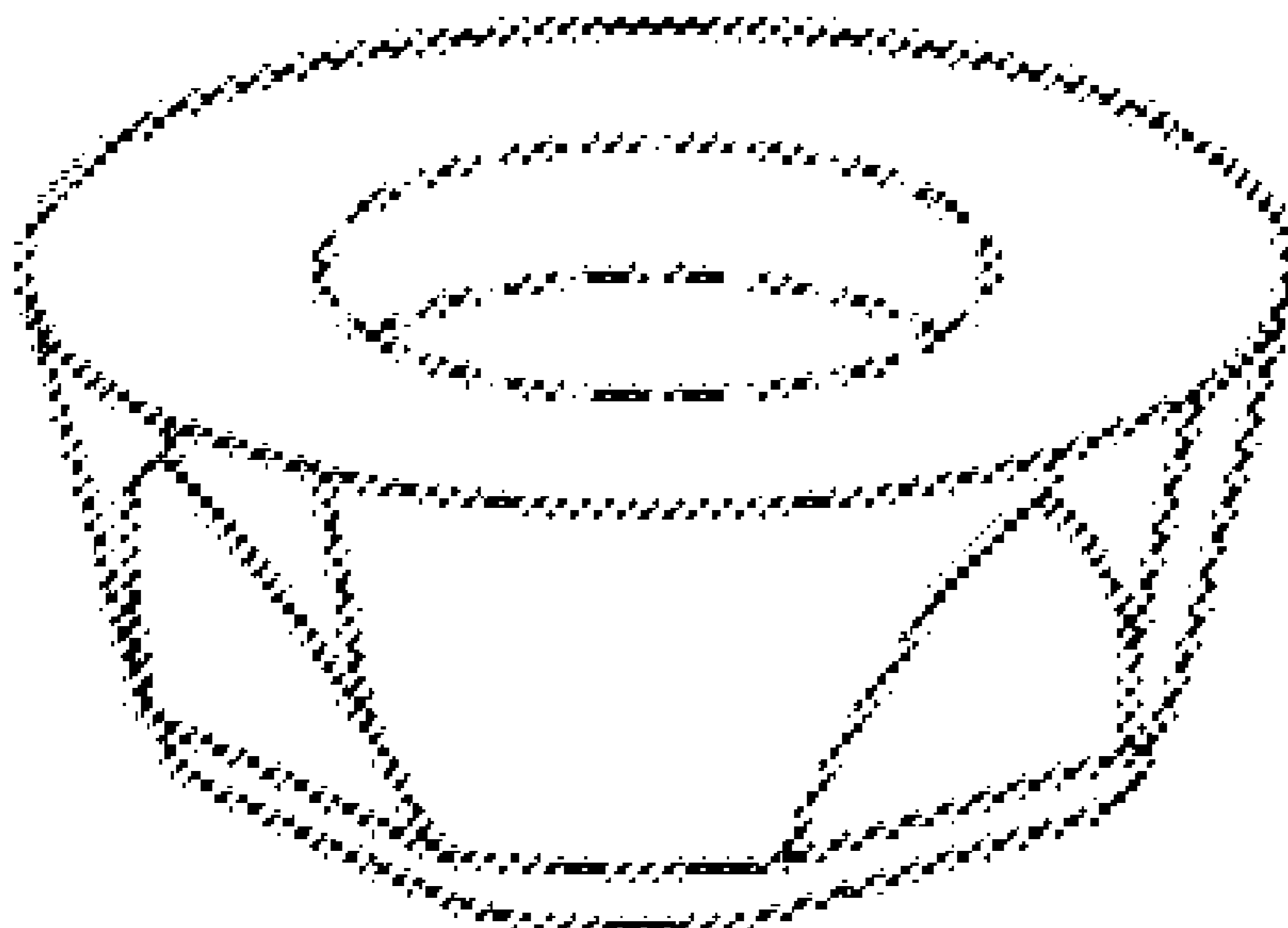


FIG. 1

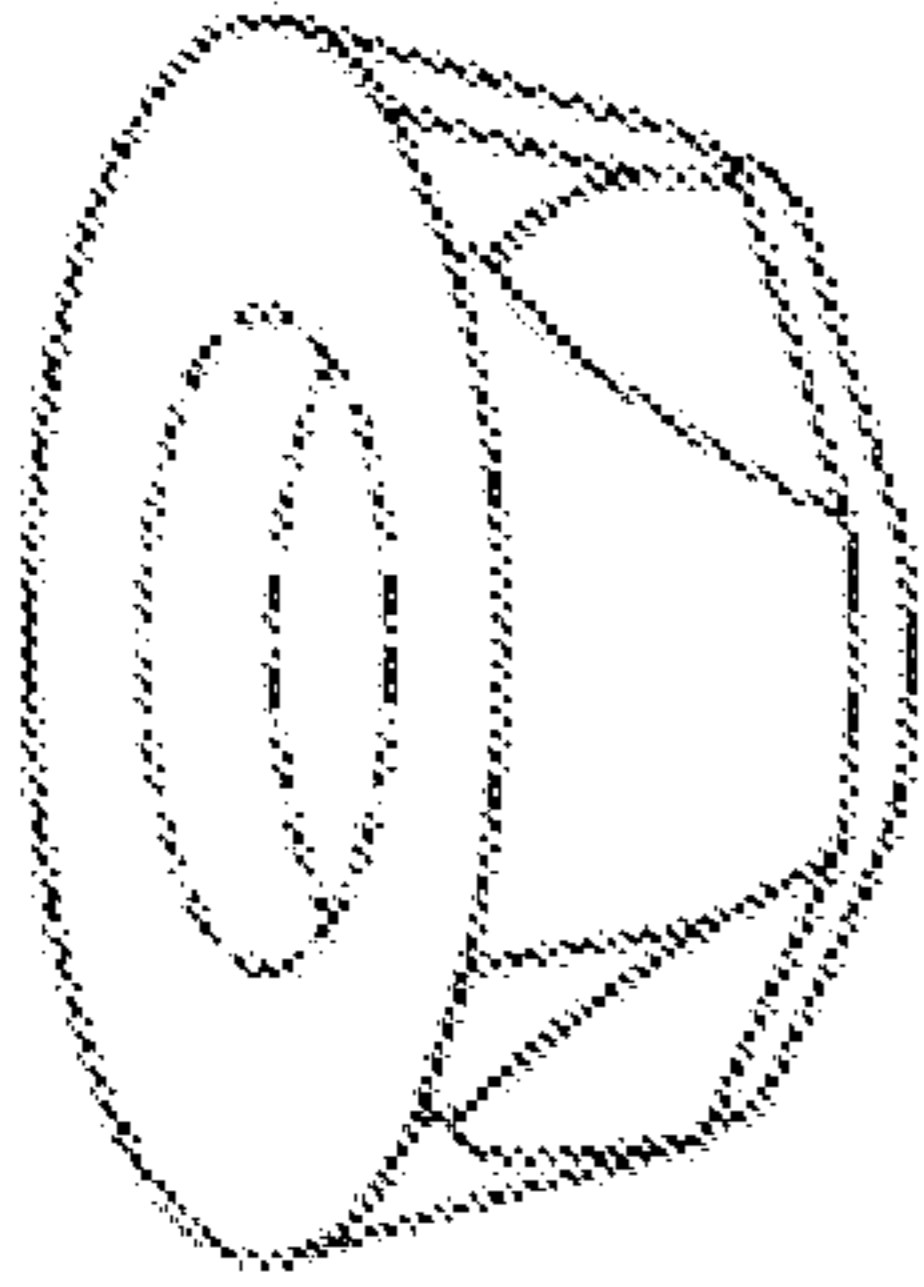


FIG. 7

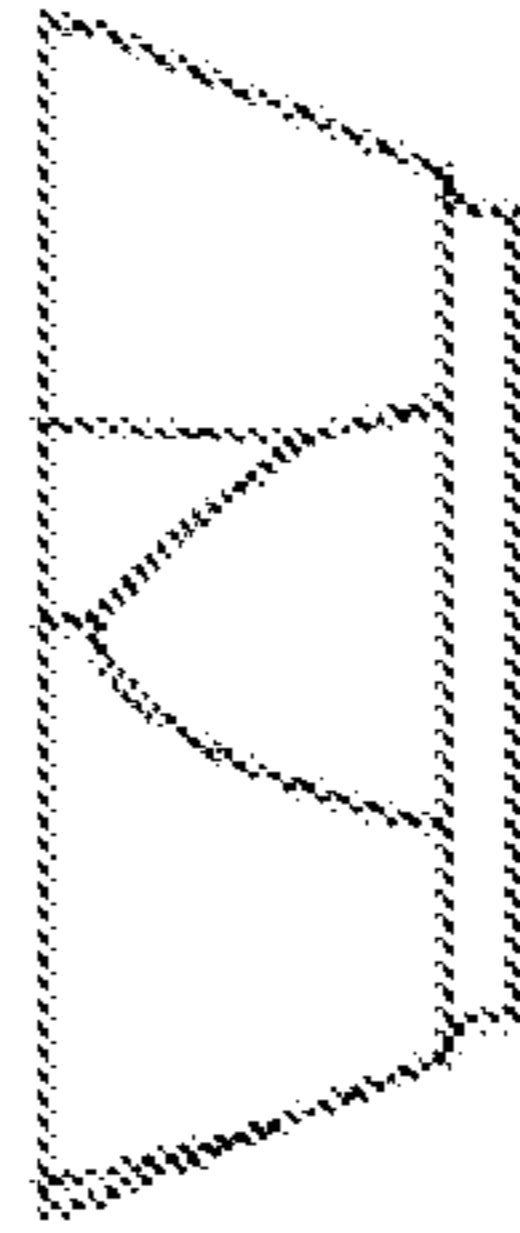
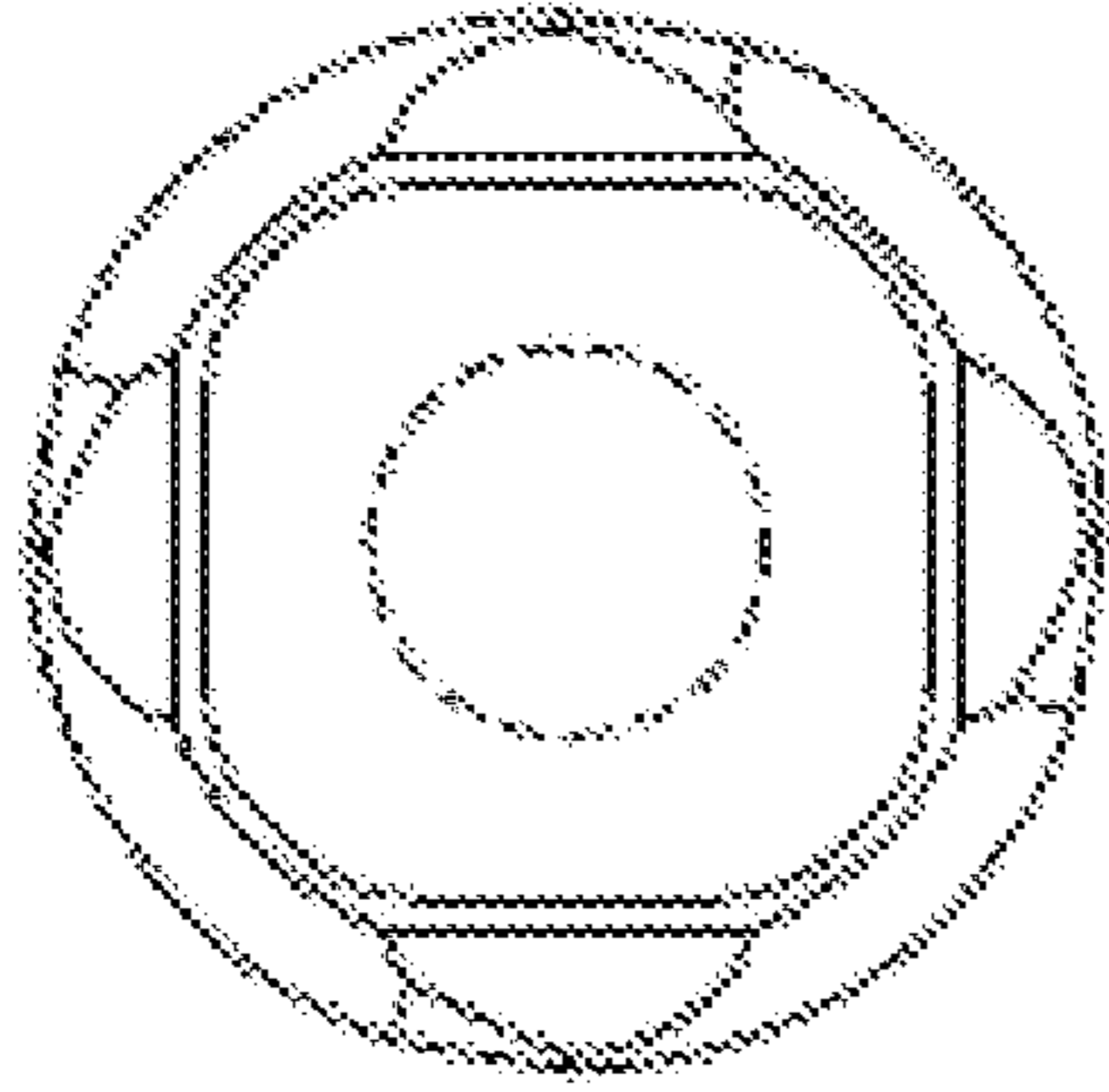


FIG. 6

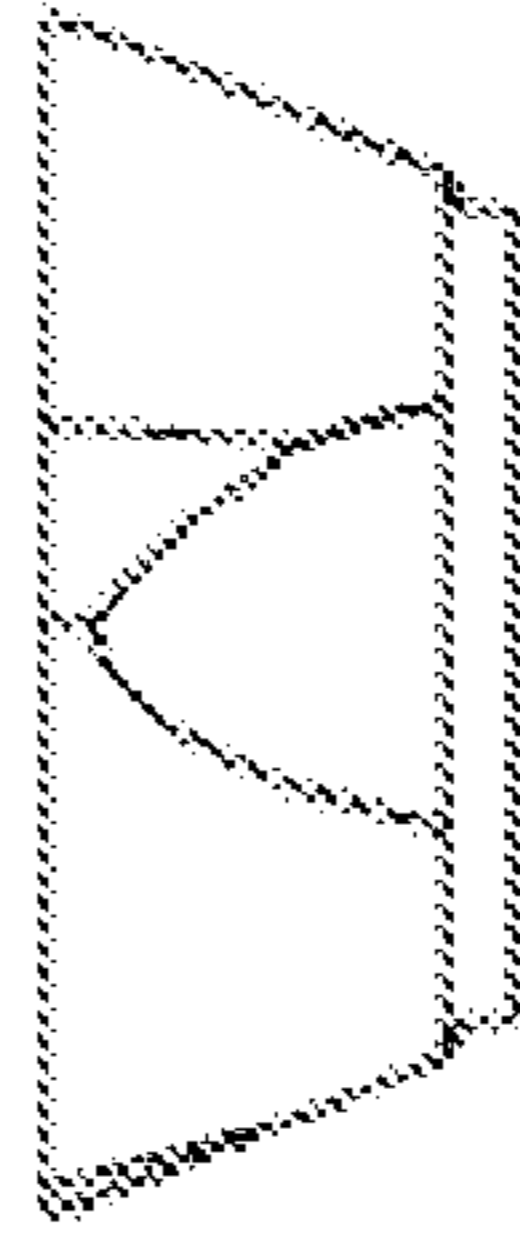


FIG. 3

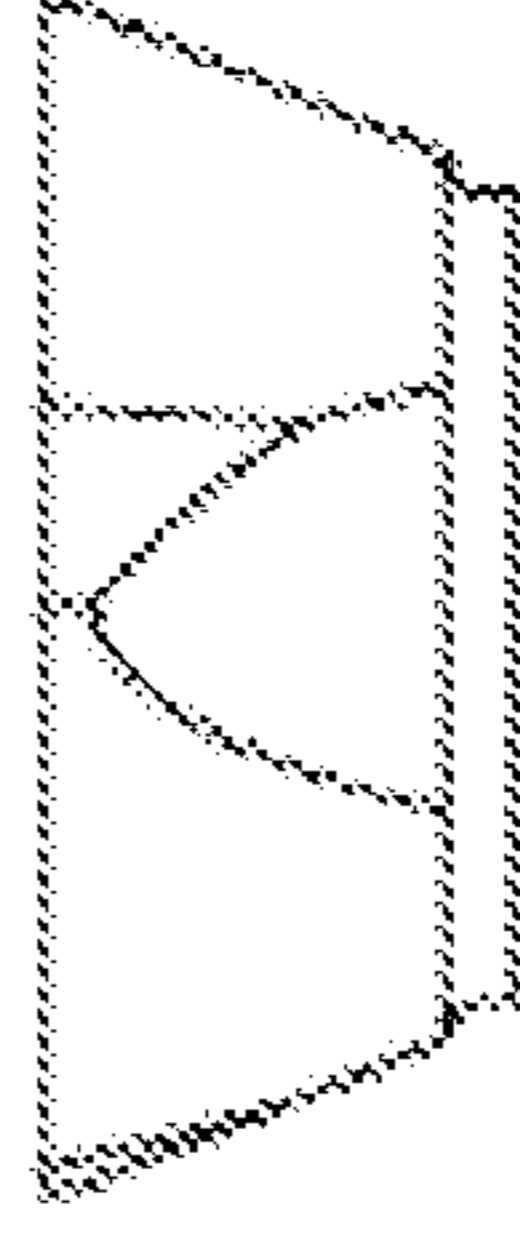


FIG. 5

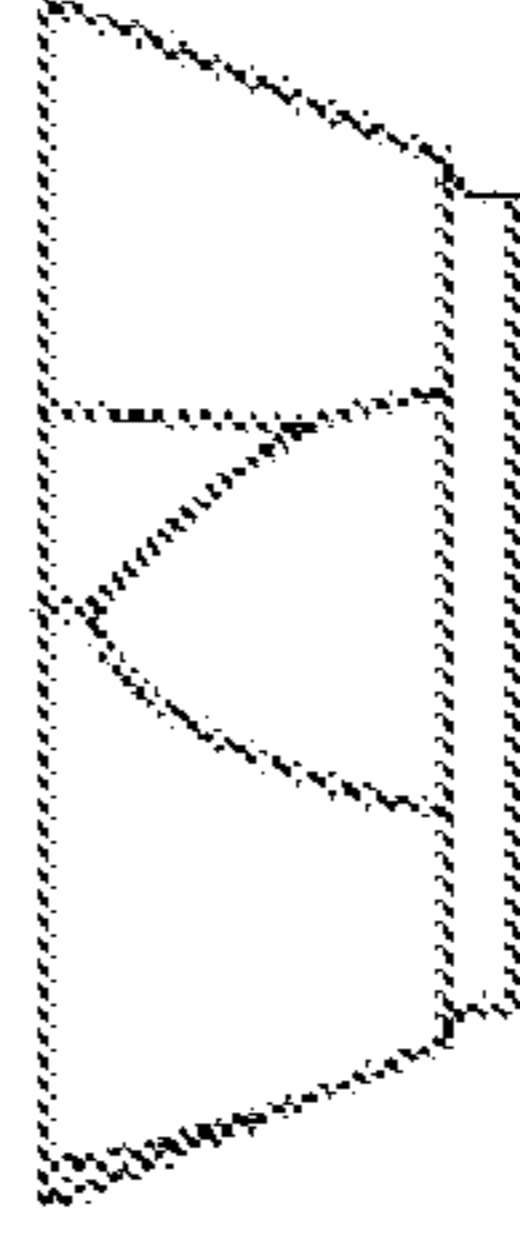


FIG. 4

FIG. 2

