



US00D381394S

United States Patent [19]

[11] Patent Number: **Des. 381,394**

Lex, Jr. et al.

[45] Date of Patent: ****Jul. 22, 1997**

[54] **MASS TRANSFER PACKING ELEMENT**

5,304,423 4/1994 Niknafs et al. 428/402

[75] Inventors: **Henry G. Lex, Jr.**, Hudson; **Hassan S. Niknafs**, Stow, both of Ohio

FOREIGN PATENT DOCUMENTS

316497 11/1919 Germany .
1945048 9/1969 Germany .

[73] Assignee: **Norton Chemical Process Products corp.**, Worcester, Mass.

OTHER PUBLICATIONS

[**] Term: **14 Years**

Design Information for packed Towers, pp. 3-39 Norton Company's Engineering Laboratories, 1977, Akron, Ohio.

[21] Appl. No.: **41,922**

Primary Examiner—A. Hugo Word
Assistant Examiner—Robin V. Taylor
Attorney, Agent, or Firm—David Bennett

[22] Filed: **Jul. 17, 1995**

[51] LOC (6) Cl. **23-01**

[52] U.S. Cl. **D23/209; D9/456; D25/199**

[58] Field of Search D34/28, 29; D23/207-209; 428/402; 210/150; D9/456; 261/94, 95, 96, 97; D25/113, 114, 131, 133, 199

[57] CLAIM

The ornamental design for a mass transfer packing element, as shown and described.

[56] References Cited

DESCRIPTION

U.S. PATENT DOCUMENTS

D. 223,701	5/1972	Lausch	.....	D25/199
D. 245,999	10/1977	Strigle	.....	261/DIG. 72
D. 281,308	11/1985	Bussey	.....	D9/456
D. 337,148	7/1993	Burens	.....	D23/207
D. 344,784	3/1994	Swingle	.....	D23/209
3,481,455	12/1969	Graham et al.	.....	261/DIG. 72
4,333,893	6/1982	Clyde	.....	261/94
4,425,285	1/1984	Shimoi et al.	.....	D23/209
4,575,435	3/1986	Kuhl	.....	261/94

FIG. 1 is a perspective view of a mass transfer packing element showing our new design;

FIG. 2 is a front elevation of the element in FIG. 1;

FIG. 3 is a rear elevation of the element in FIG. 1;

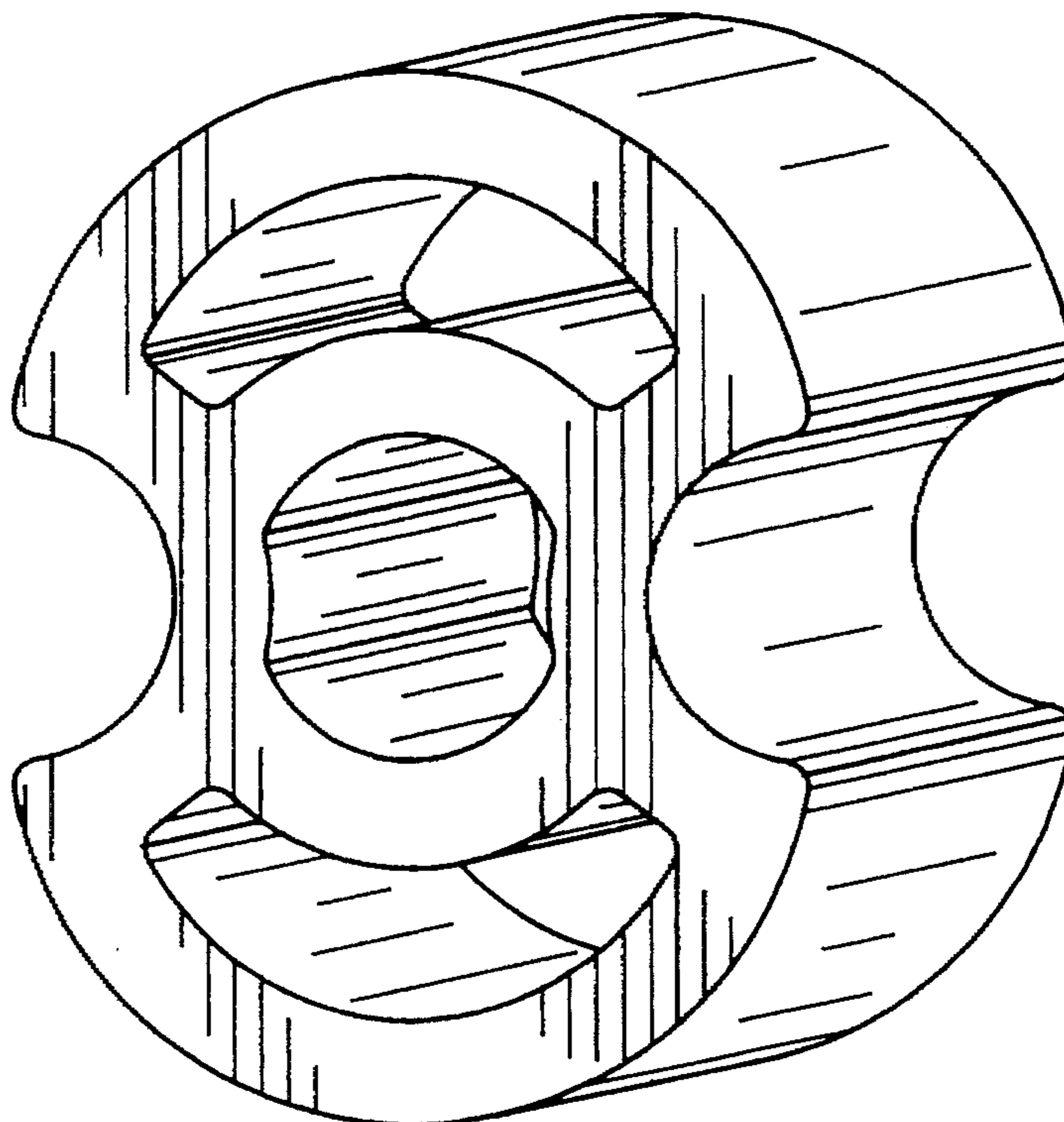
FIG. 4 is a left side elevation of the element in FIG. 1;

FIG. 5 is a right side elevation of the element in FIG. 1;

FIG. 6 is a top elevation of the element in FIG. 1; and,

FIG. 7 is a bottom elevation of the element in FIG. 1.

1 Claim, 2 Drawing Sheets



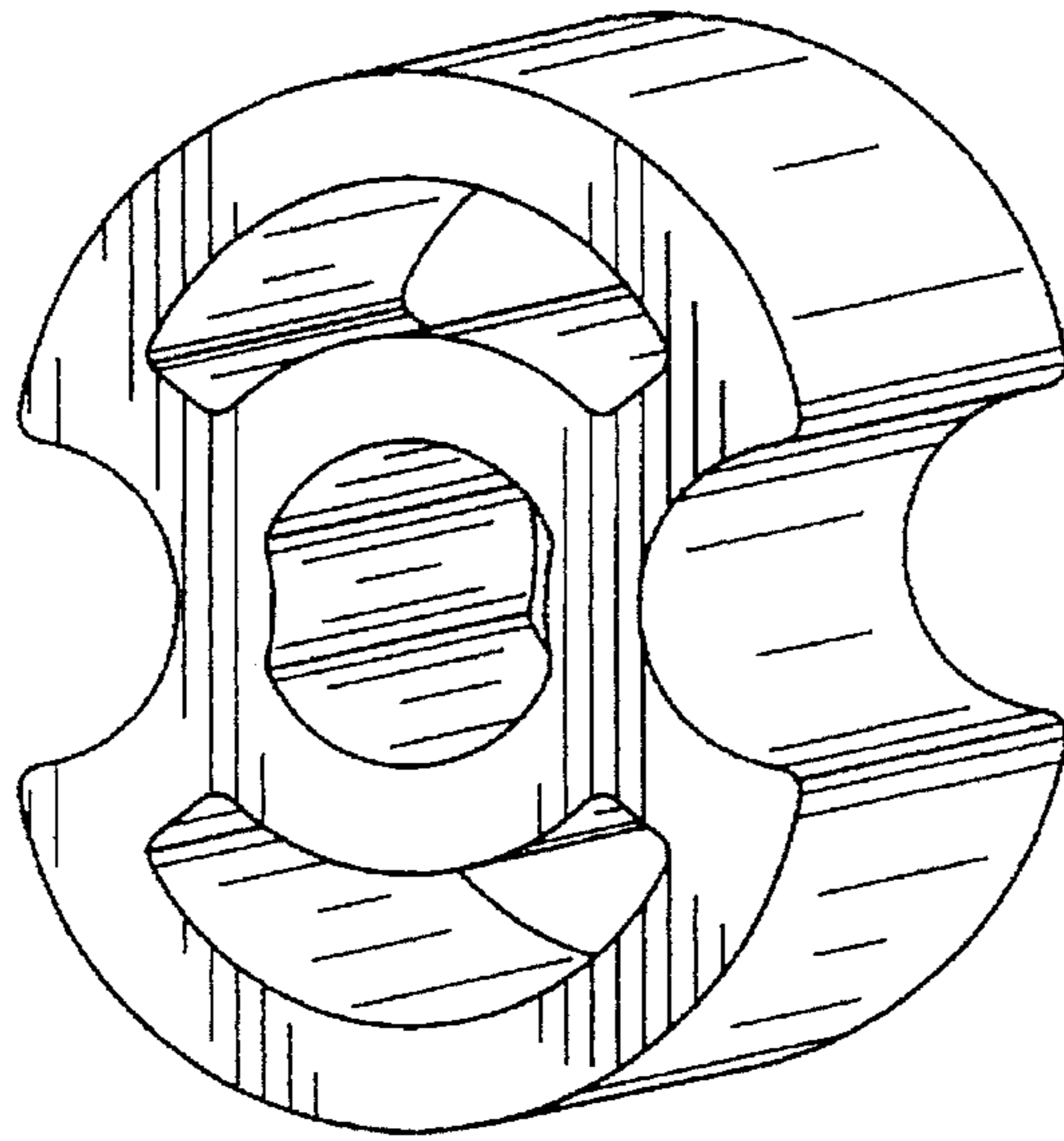


FIG. 1

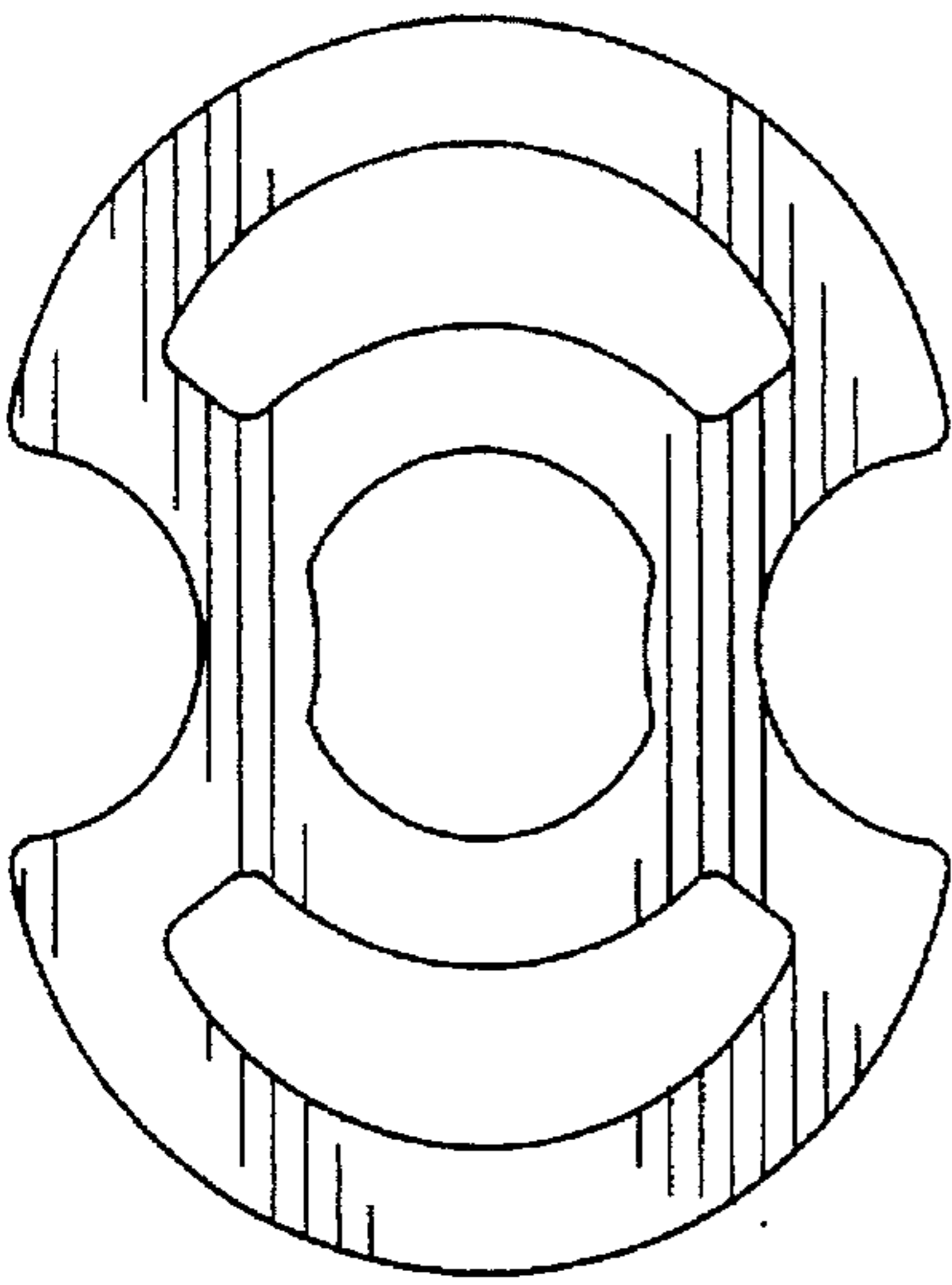


FIG. 2

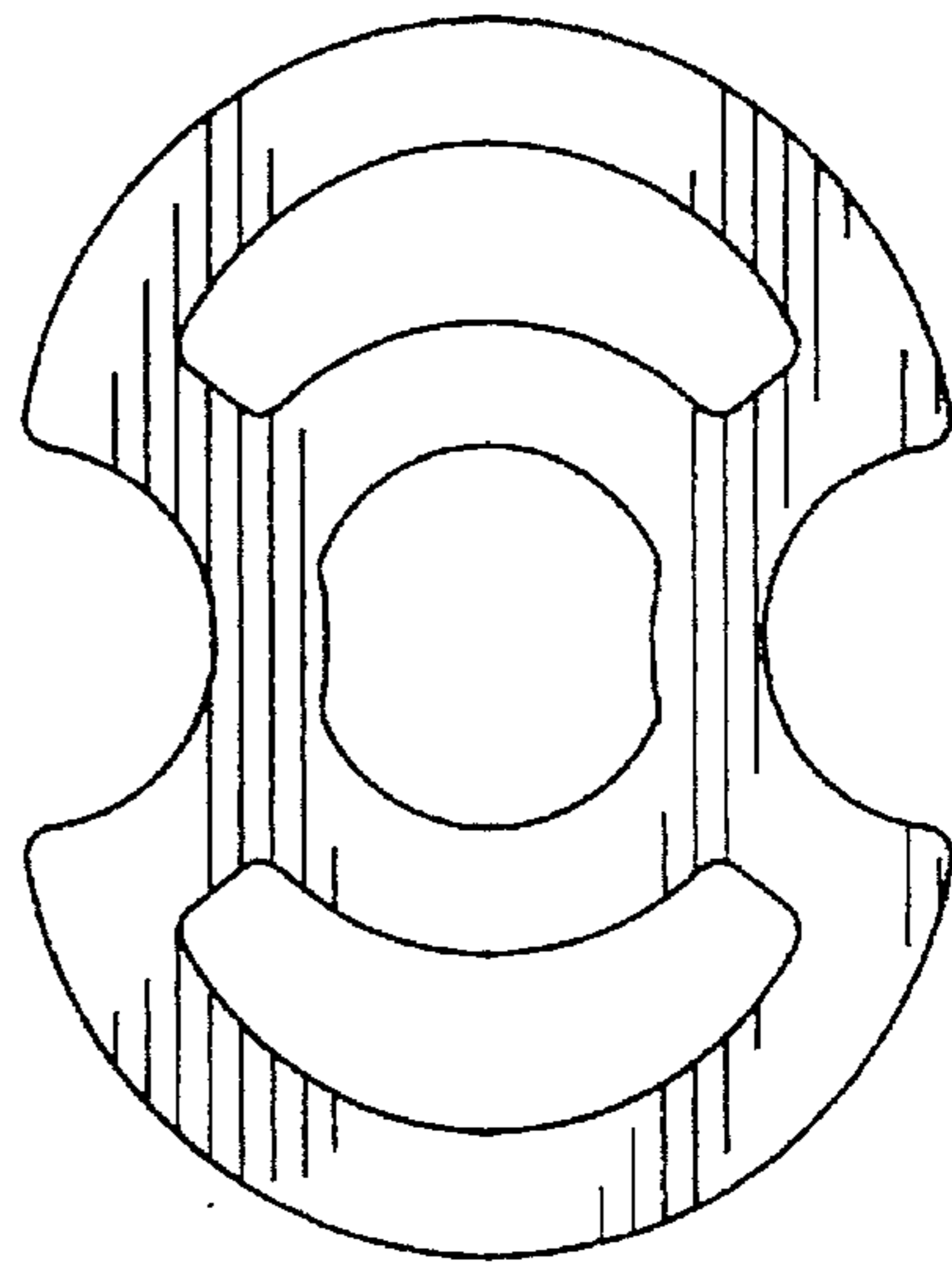


FIG. 3

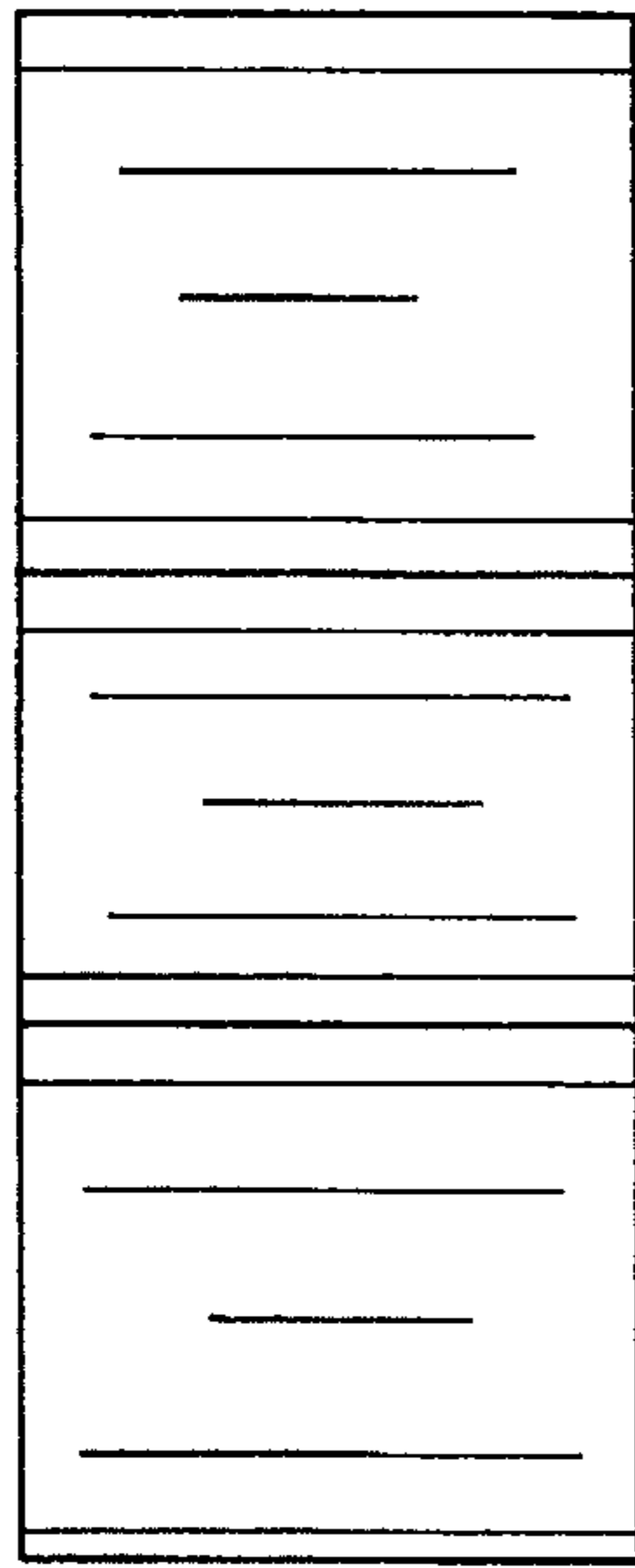


FIG. 4

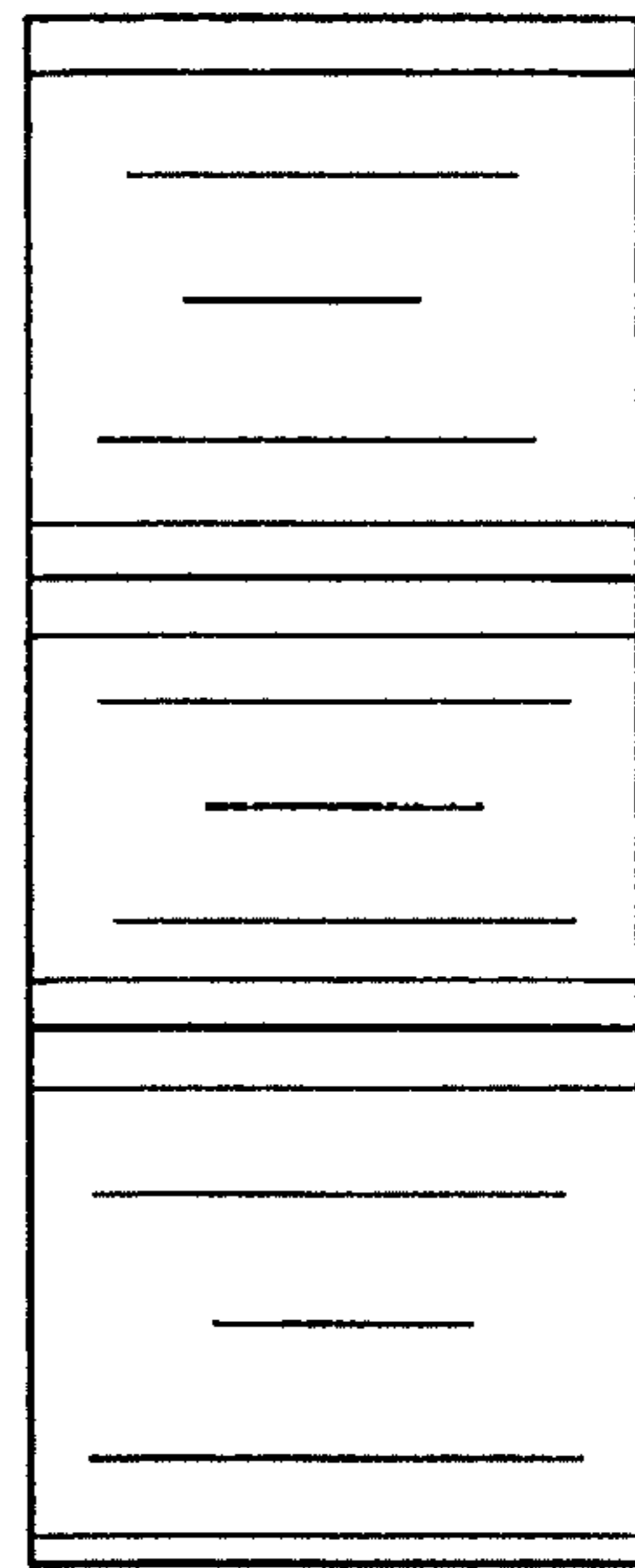


FIG. 5

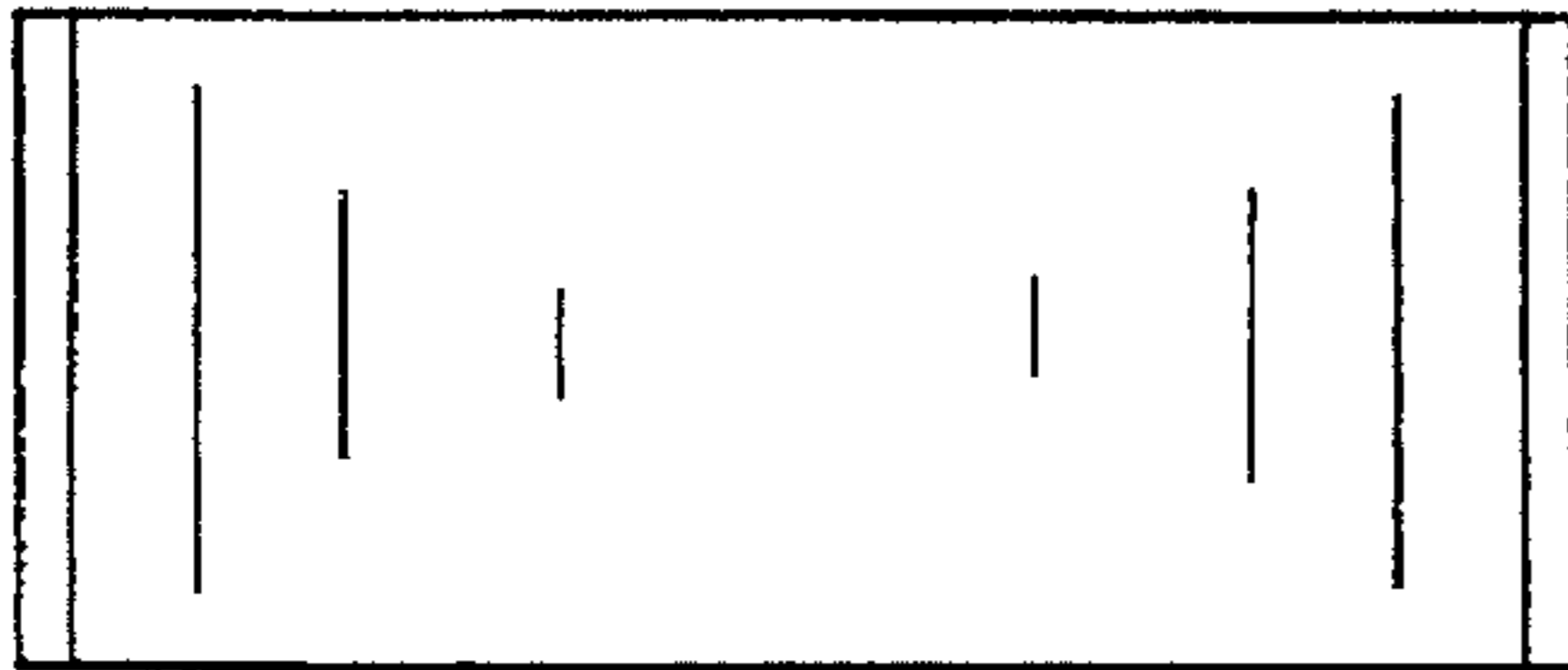


FIG. 6

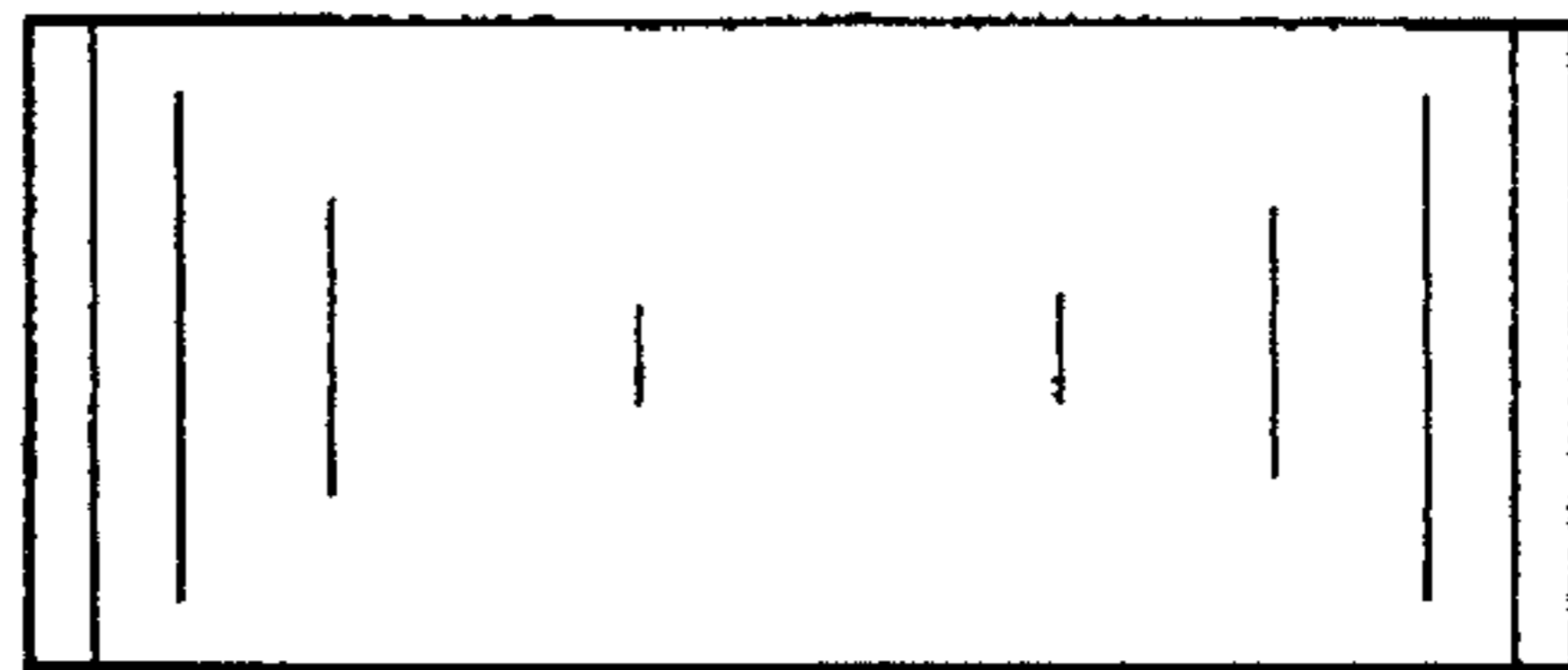


FIG. 7