



US00D430962S

United States Patent [19]

[11] Patent Number: Des. 430,962

Porat et al.

[45] Date of Patent: ** Sep. 12, 2000

[54] POOL CLEANER HOUSING WITH CURVILINEAR CONTOUR LINE

[75] Inventors: Joseph Porat, North Caldwell; Marco Goldish, Paramus; Robert Myers, North Haledon, all of N.J.

[73] Assignee: Aqua Products, Inc., Cedar Grove, N.J.

[**] Term: 14 Years

[21] Appl. No.: 29/107,064

[22] Filed: Jun. 24, 1999

[51] LOC (7) Cl. 15-05

[52] U.S. Cl. D32/25

[58] Field of Search D32/1, 15-22, D32/25, 28, 31-34; 15/1.7; 55/373, 374; 180/116, 119, 220, 125, 130; 210/169, 416.2, 460

[56] References Cited

U.S. PATENT DOCUMENTS

D. 338,989	8/1993	Ambrosiano	D32/15
D. 401,023	11/1998	Sebor et al.	D32/33
D. 417,322	11/1999	Hollinger	D32/1
5,842,243	12/1998	Horvath et al.	15/1.7

FOREIGN PATENT DOCUMENTS

97/49882	12/1997	WIPO	15/1.7
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Primary Examiner—Louis S. Zarfes
Assistant Examiner—Robert A. Delehanty
Attorney, Agent, or Firm—Abelman, Frayne & Schwab

[57] CLAIM

The ornamental design for pool cleaner housing with curvilinear contour line, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of one embodiment of the pool cleaner housing showing new design;
FIG. 2 is a top plan view shown on a greatly enlarged scale thereof;
FIG. 3 is a side elevation view shown on a greatly enlarged scale, it being understood that the opposite side is a mirror image thereof;

FIG. 4 is a front elevational view shown on a greatly enlarged scale, it being understood that the rear side is a mirror image thereof;

FIG. 5 is a bottom plan view shown on a greatly enlarged scale thereof;

FIG. 6 is a perspective view similar to that of FIG. 1 showing the housing installed on a pool cleaner body;

FIG. 7 is a top perspective view of a second embodiment of the pool cleaner housing of my invention;

FIG. 8 is a top plan view of the cleaner of FIG. 7;

FIG. 9 is an side elevational view of the housing of FIG. 7 it being understood that the opposited side is a mirror image thereof;

FIG. 10 is a front elevational view of the cleaner of FIG. 7 it being understood that the rear side is a mirror image thereof;

FIG. 11 is a bottom plan view of the cleaner of FIG. 7;

FIG. 12 is a top perspective view of the cleaner of FIG. 7 shown in position on a pool cleaner body;

FIG. 13 is a top perspective view of a third embodiment of the pool cleaner housing of my invention;

FIG. 14 is a top plan view of the cleaner of FIG. 13;

FIG. 15 is a side elevational view of the housing of FIG. 13 it being understood that the opposite side is a mirror image thereof;

FIG. 16 is a front elevational view of the cleaner of FIG. 13 it being understood that the rear side is a mirror image thereof;

FIG. 17 is a bottom plan view of the cleaner of FIG. 13;

FIG. 18 is a top perspective view of the cleaner of FIG. 13 shown mounted on a pool cleaner body;

FIG. 19 is a top perspective view of a third embodiment of the pool cleaner housing of my invention;

FIG. 20 is a top plan view of the cleaner of FIG. 19;

FIG. 21 is a side elevational view of the cleaner of FIG. 19 it being understood that the opposite side is a mirror image thereof;

FIG. 22 is a front elevational view of the cleaner of FIG. 19 it being understood that the rear side is a mirror image thereof;

FIG. 23 is a bottom plan view of the housing of FIG. 19; and,

FIG. 24 is a top perspective view of the cleaner of FIG. 19 shown positioned on a pool cleaner body.

The broken line showing of a pool cleaner body in FIGS. 6, 12, 18 and 24 is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 13 Drawing Sheets

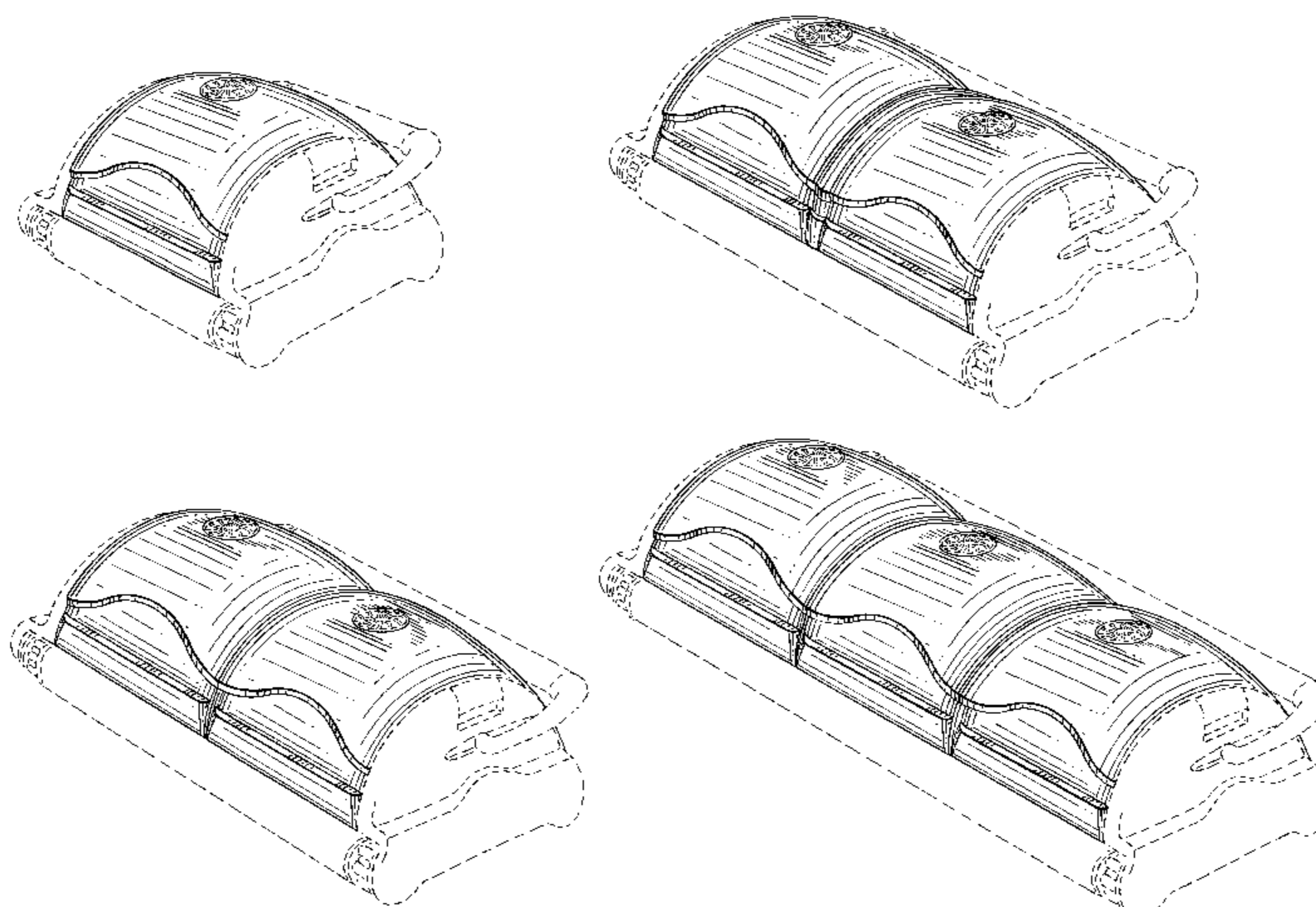


FIG. 1

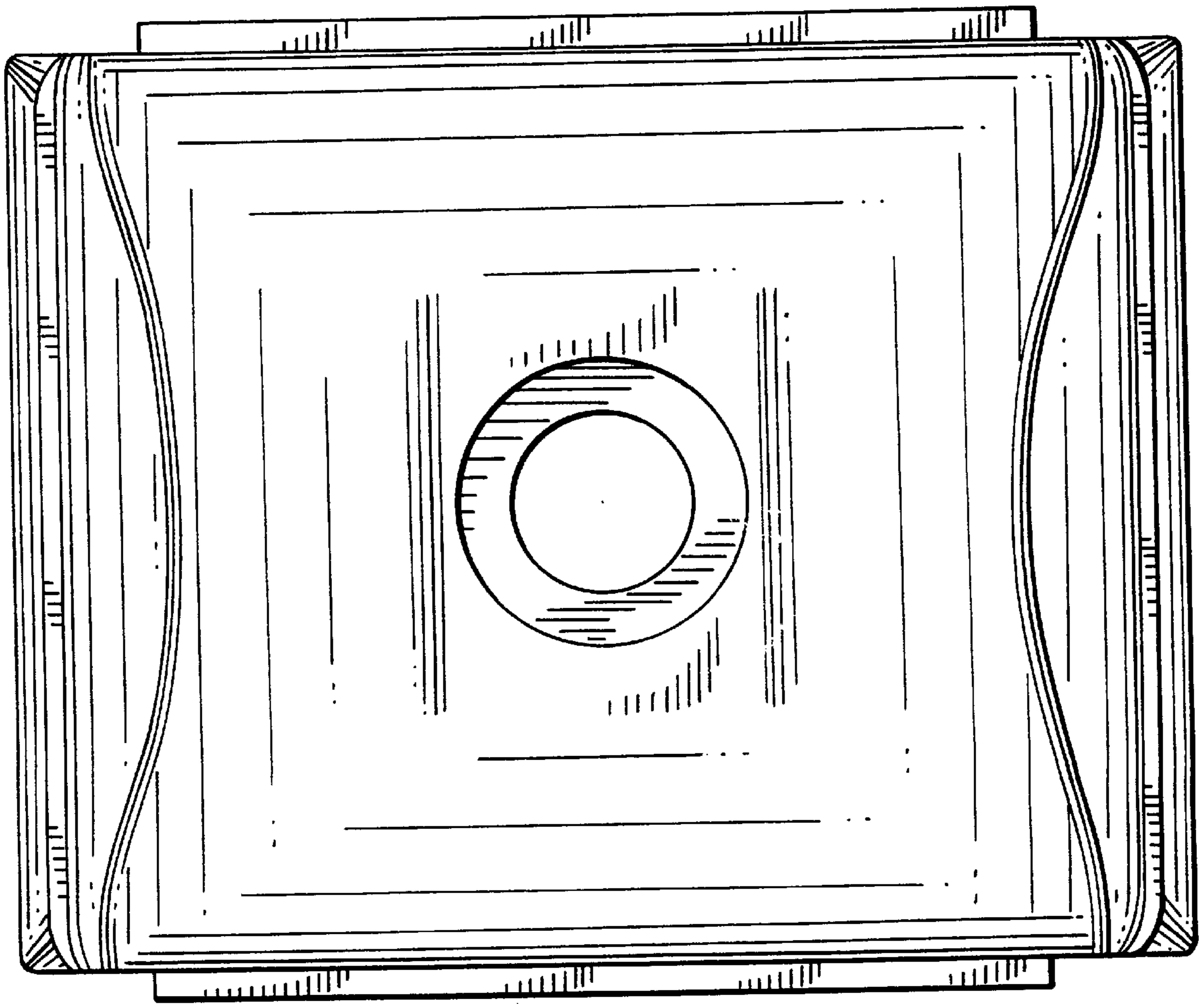
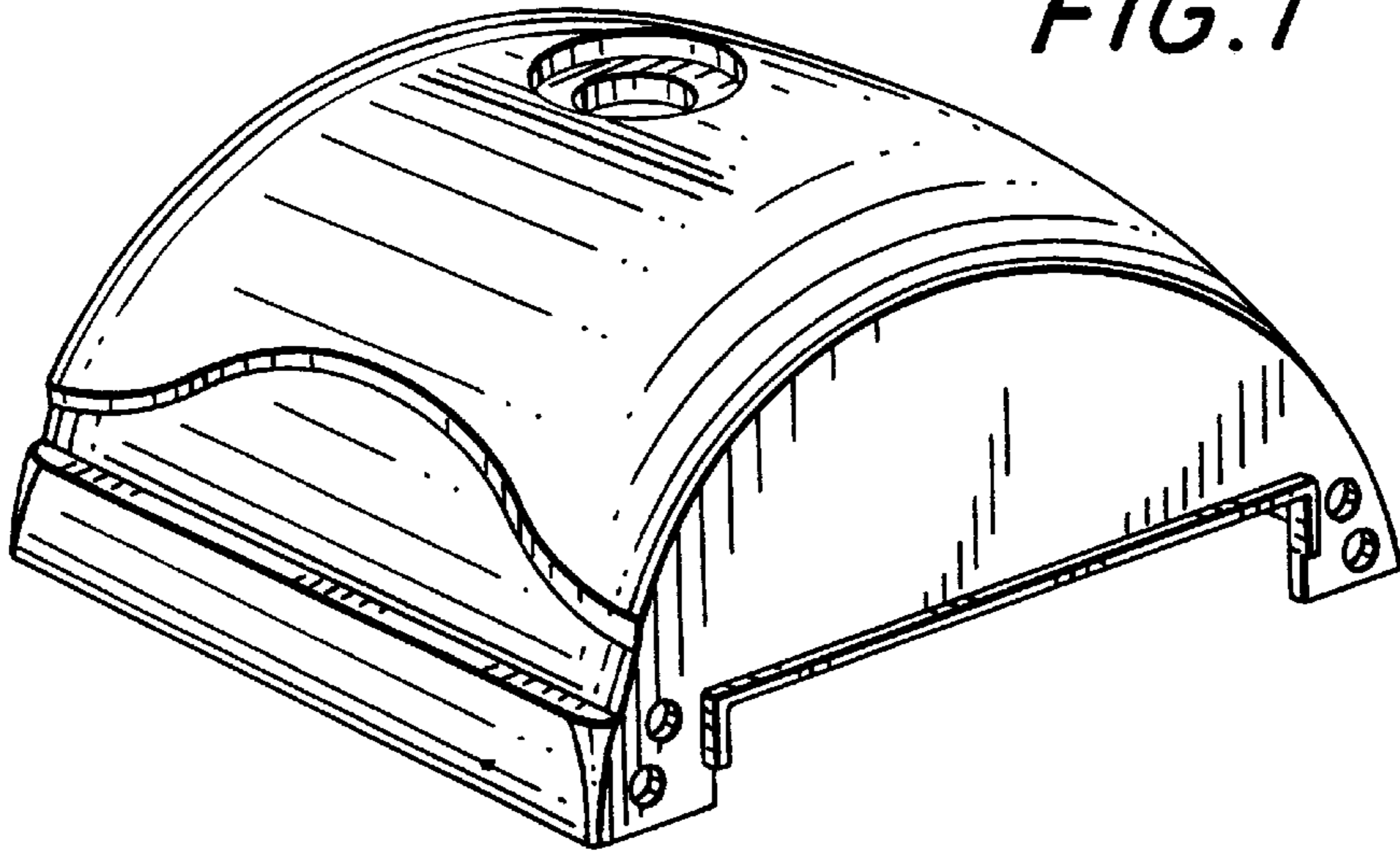


FIG. 2

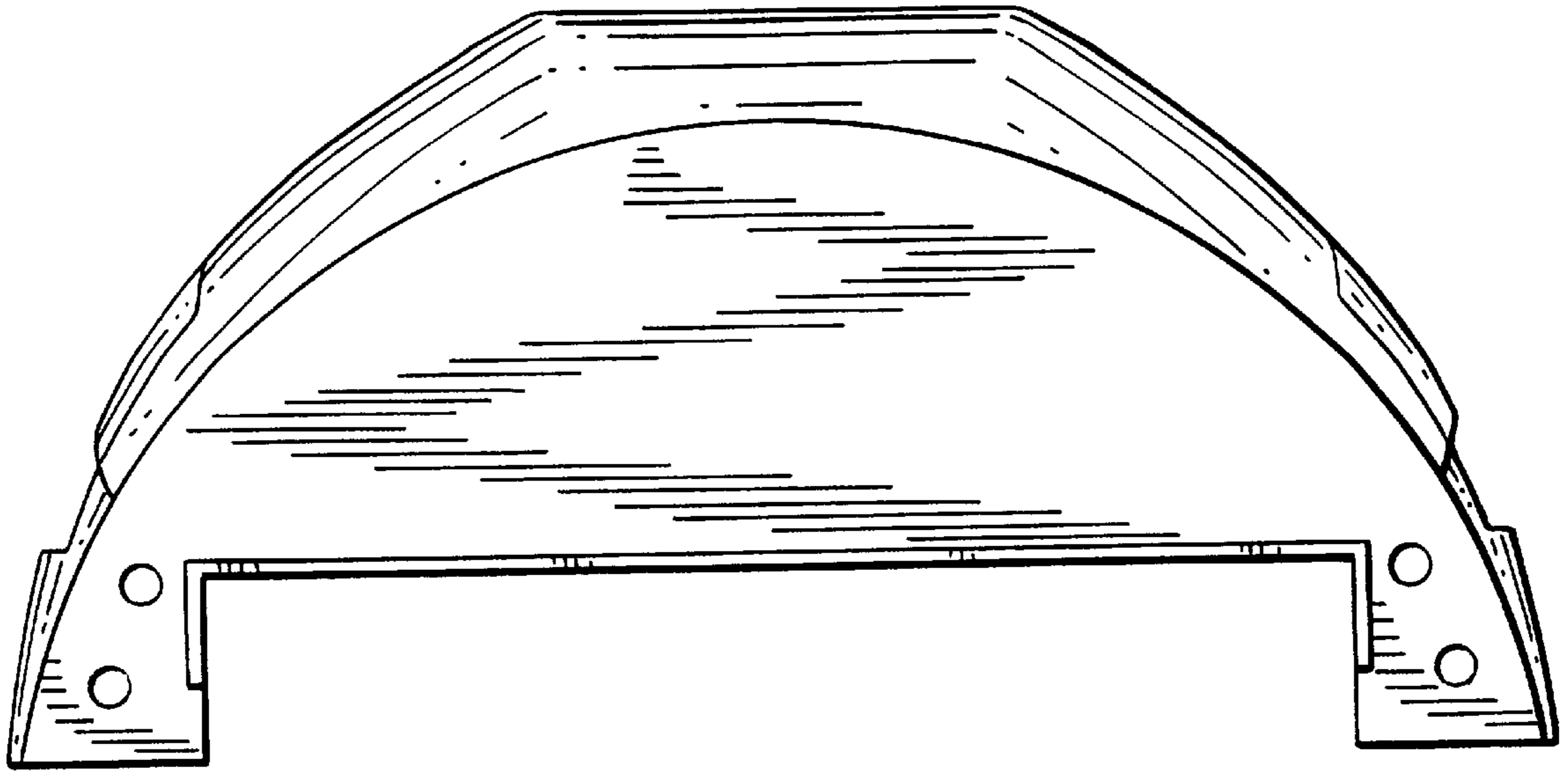


FIG. 3

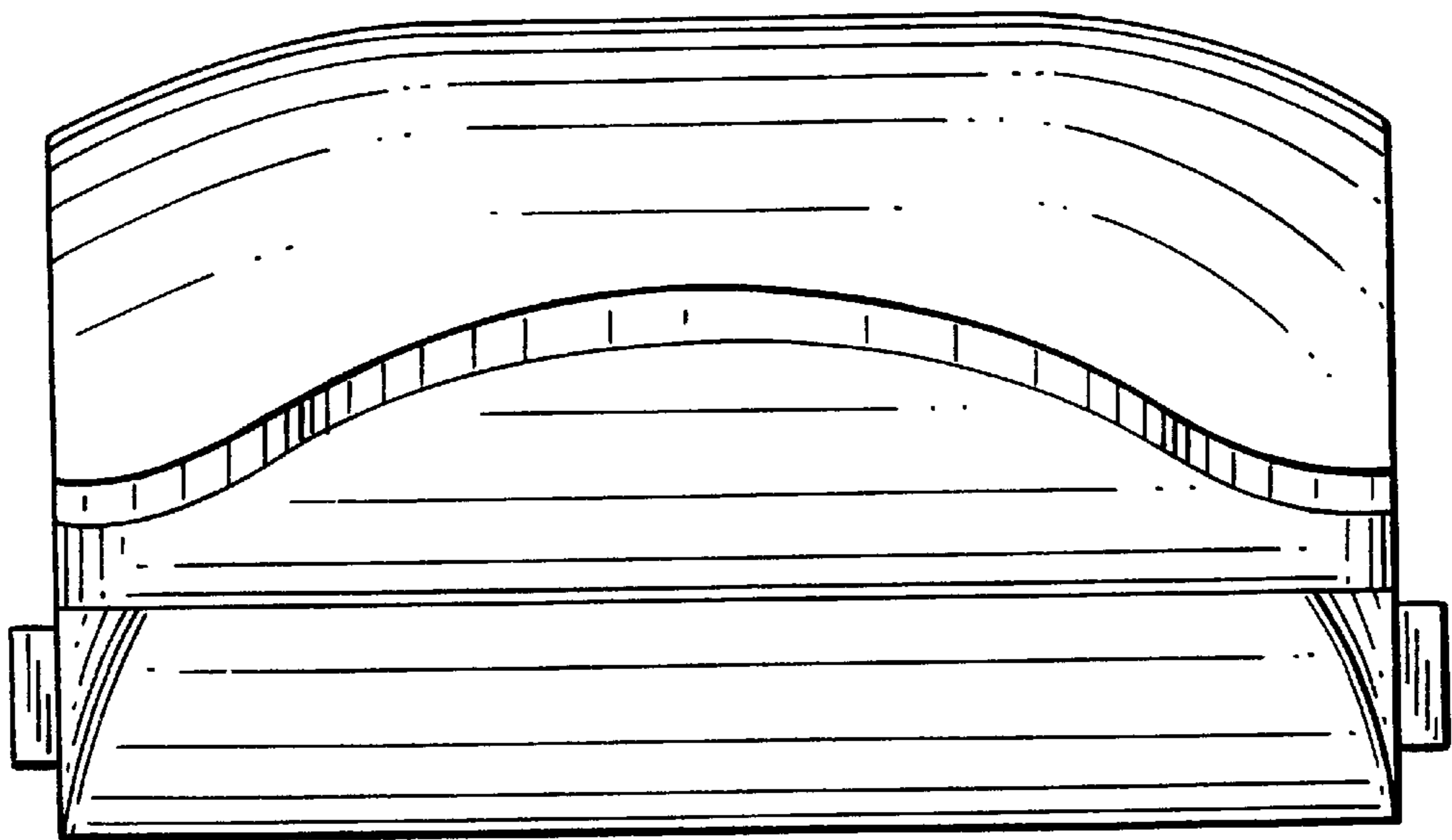


FIG. 4

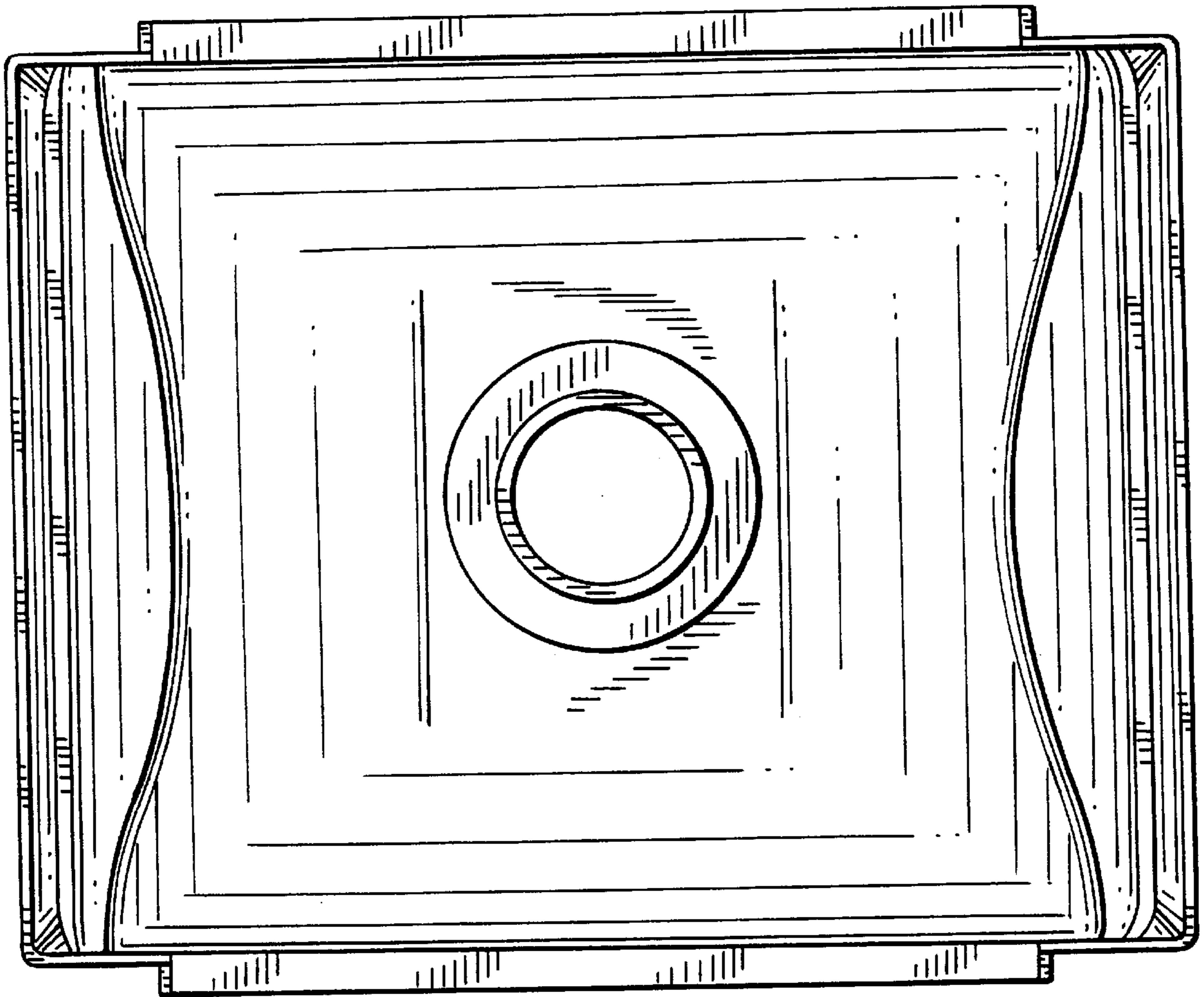


FIG. 5

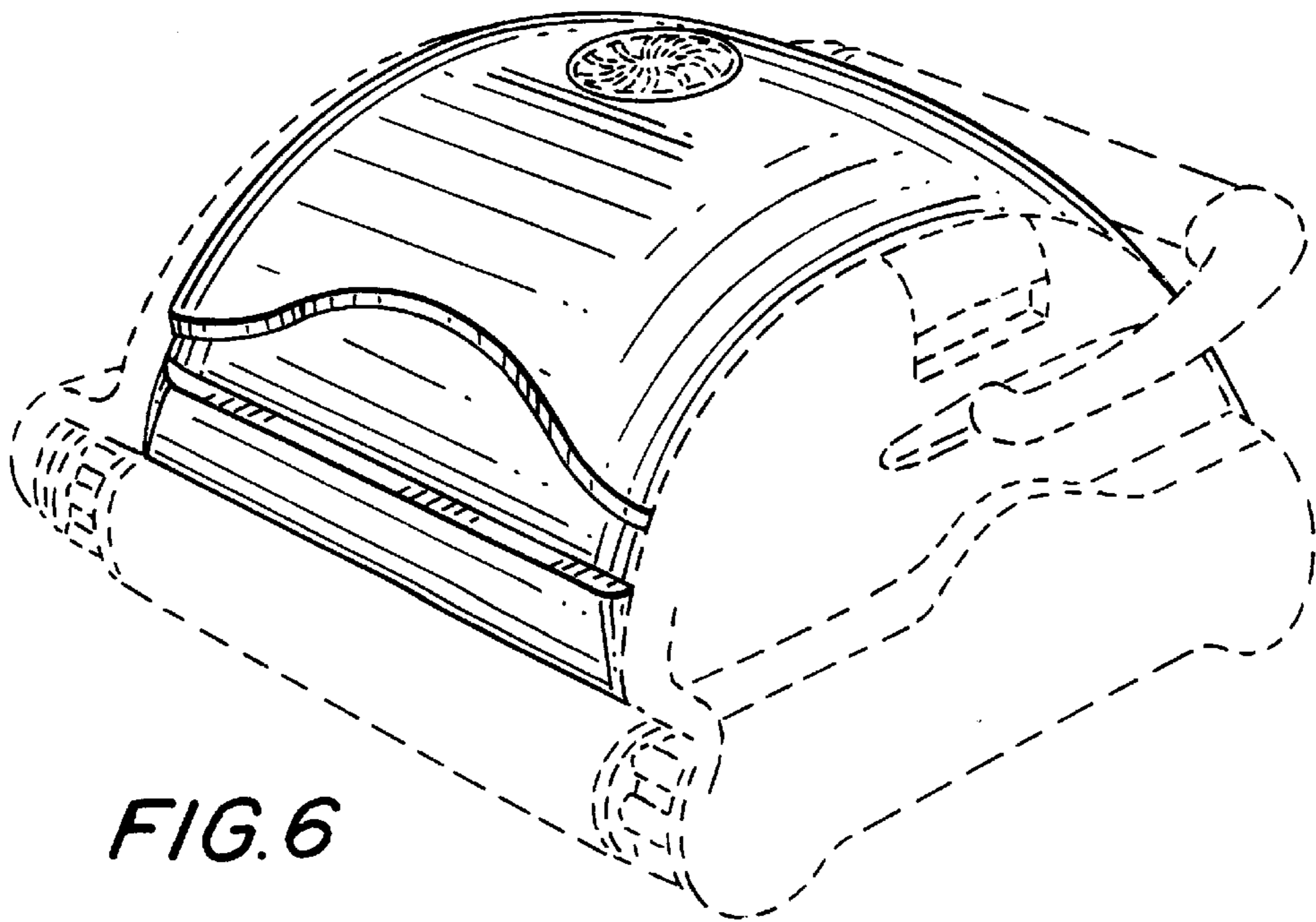


FIG. 6

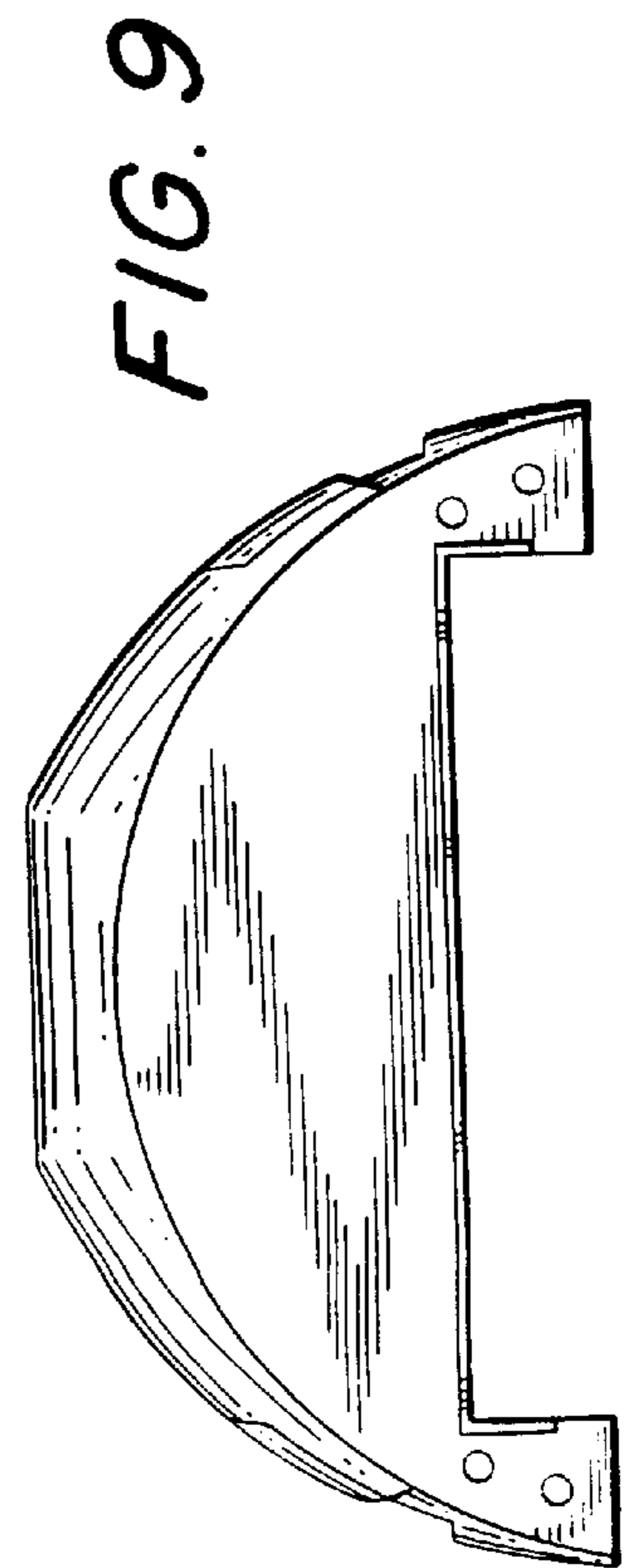
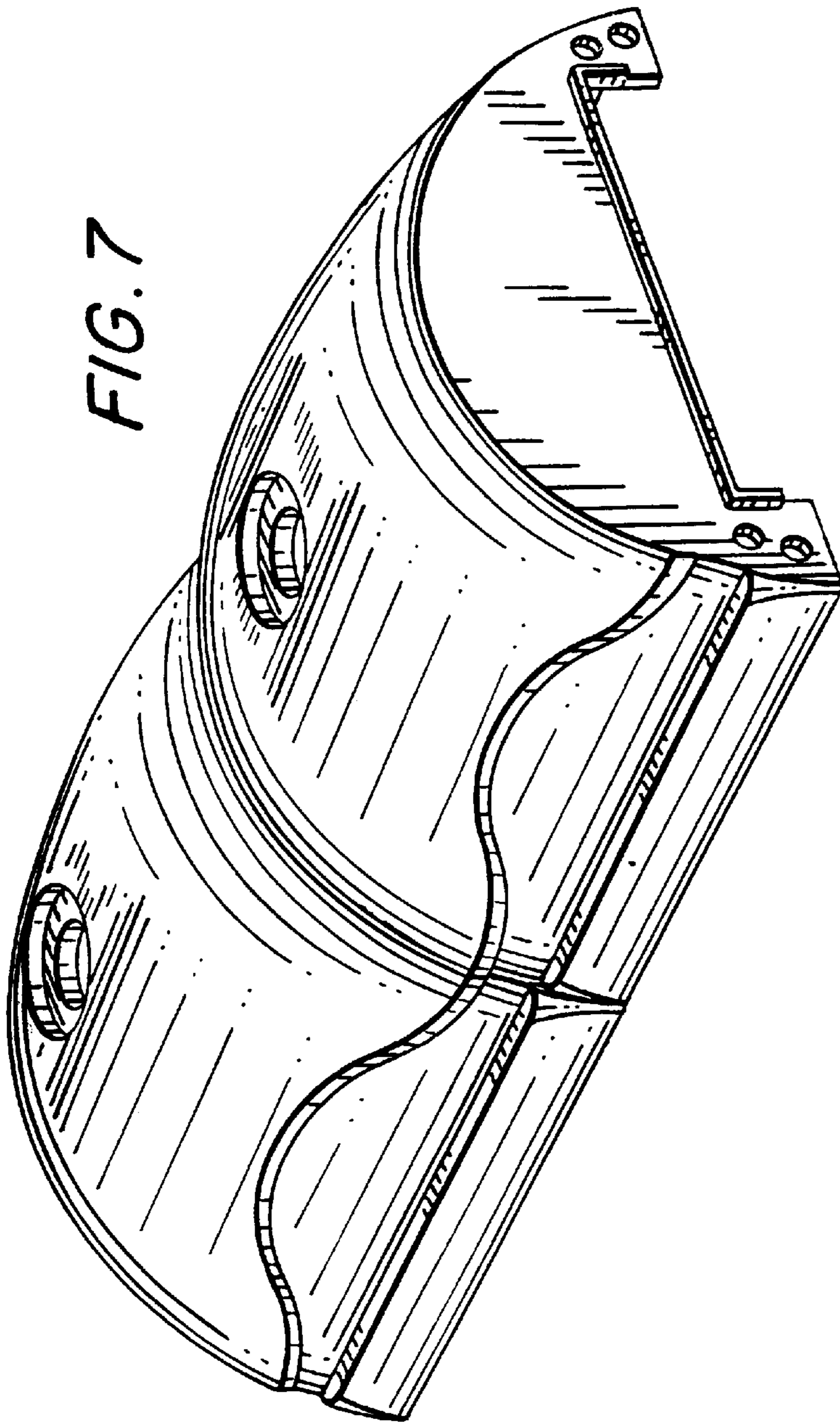


FIG. 11

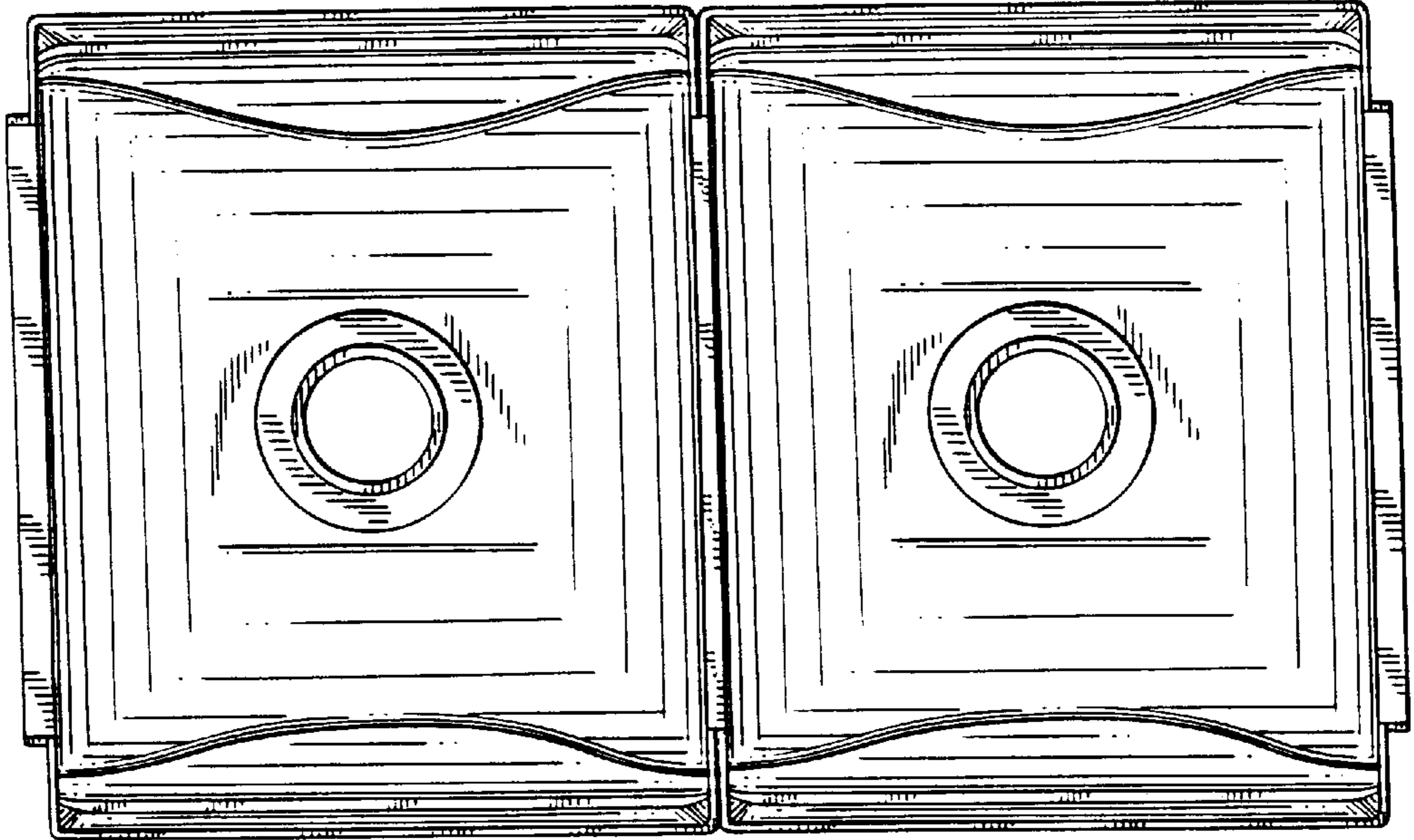
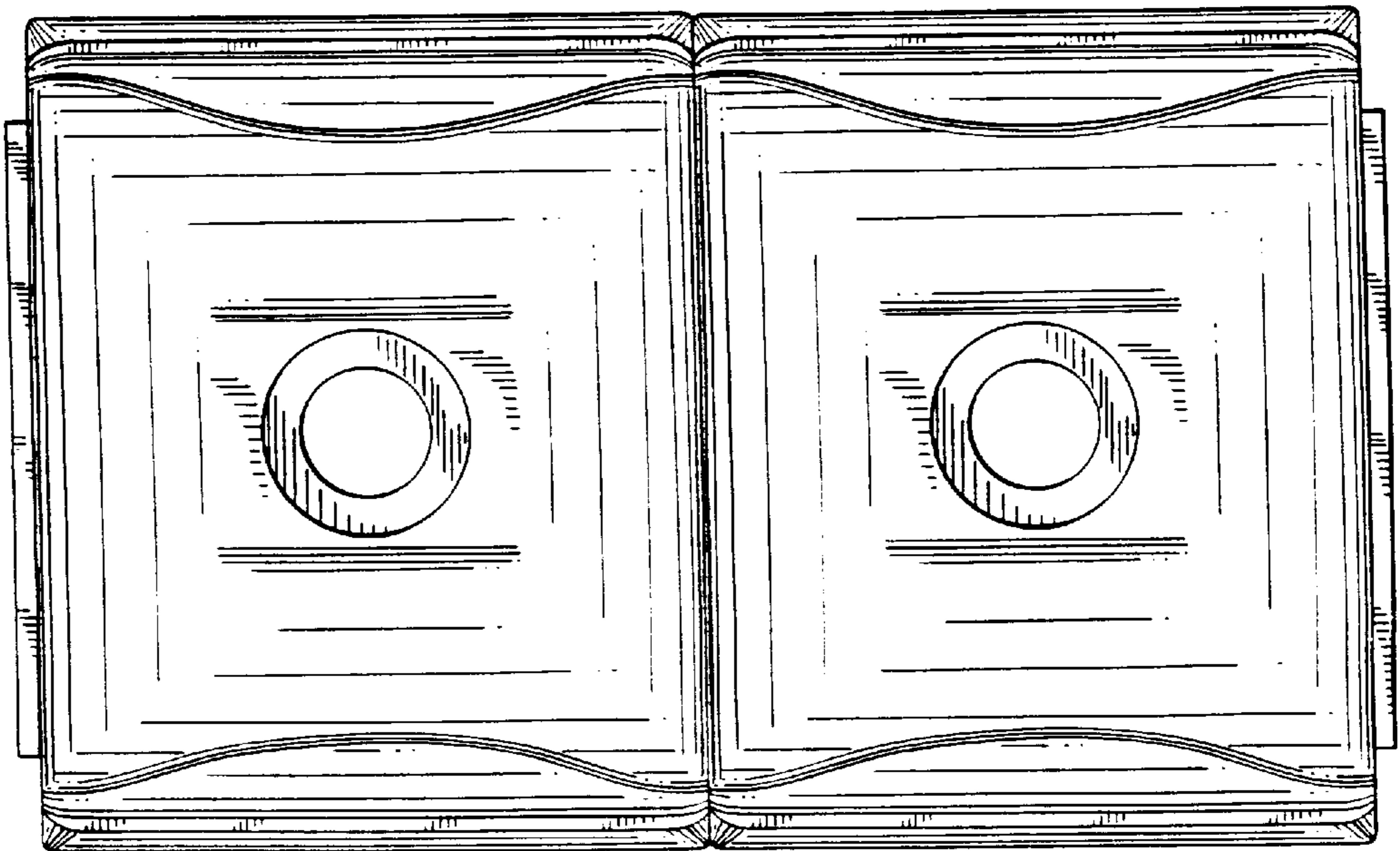


FIG. 8



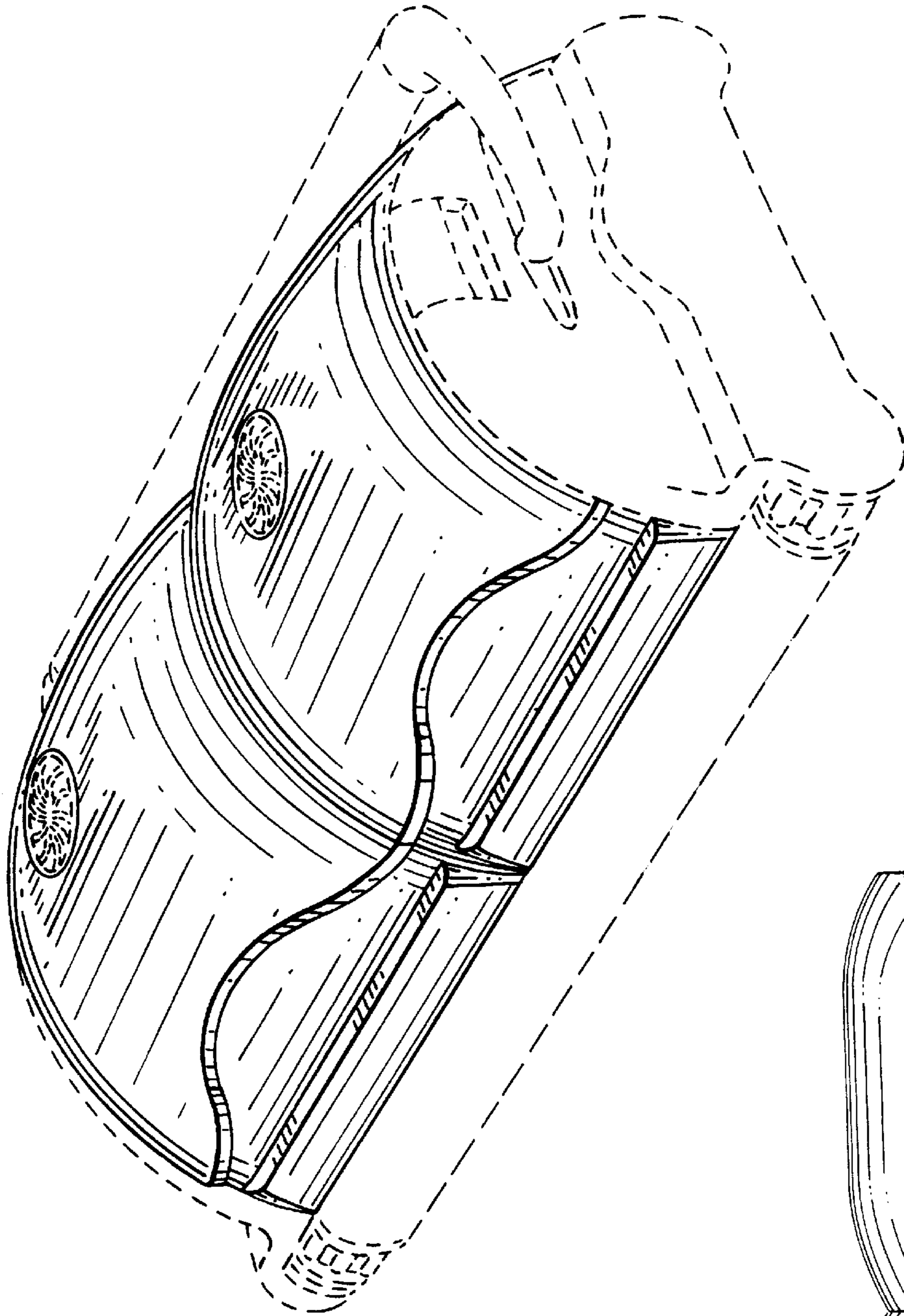


FIG. 10

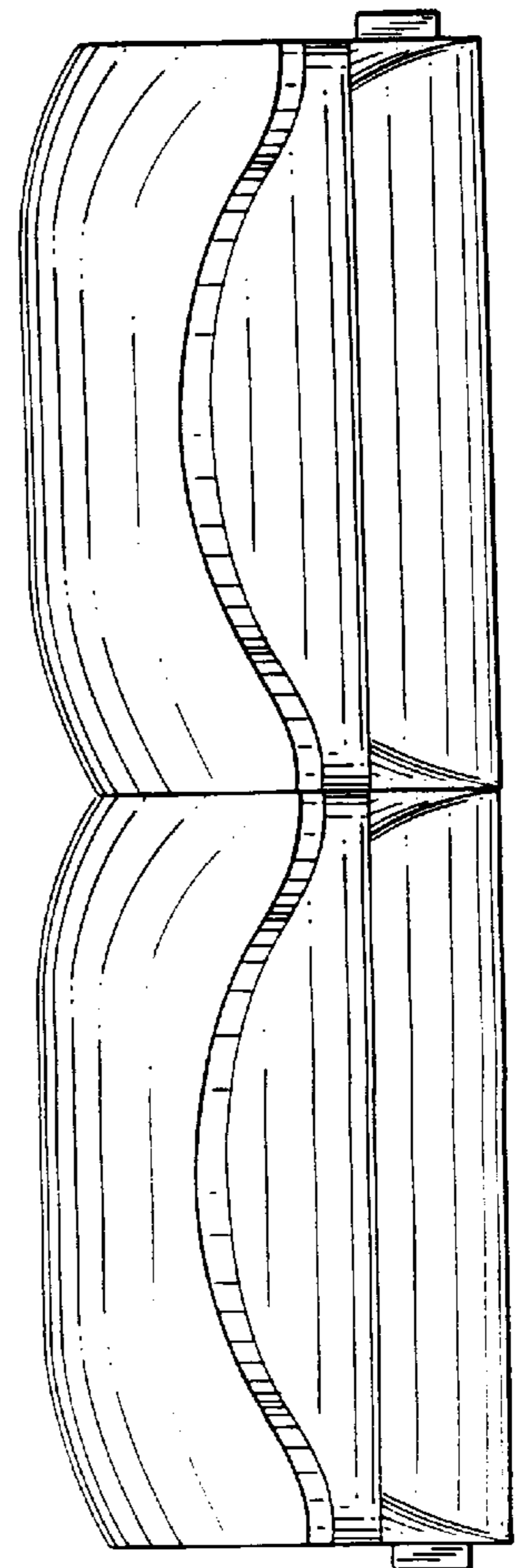


FIG. 12

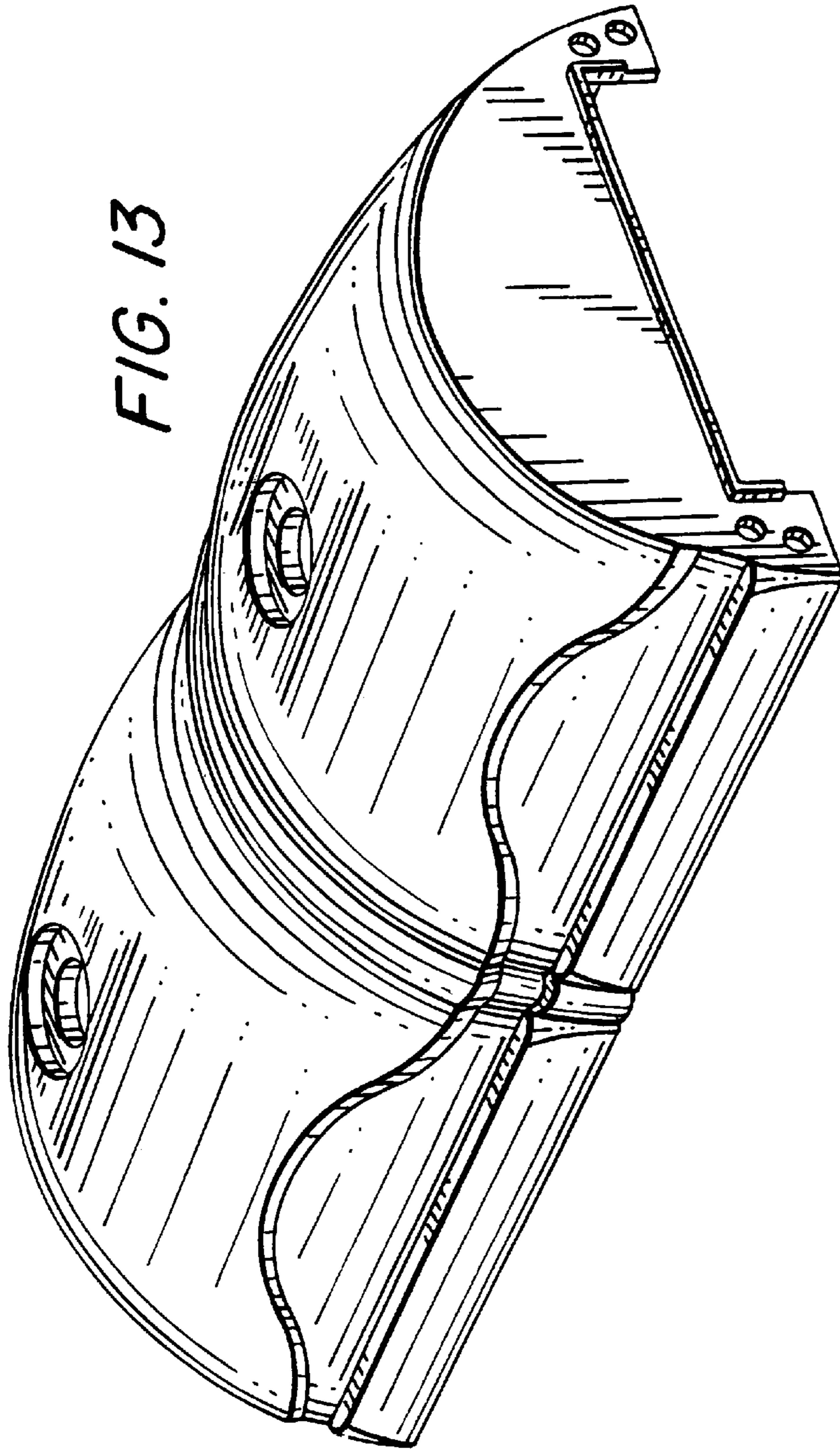


FIG. 13

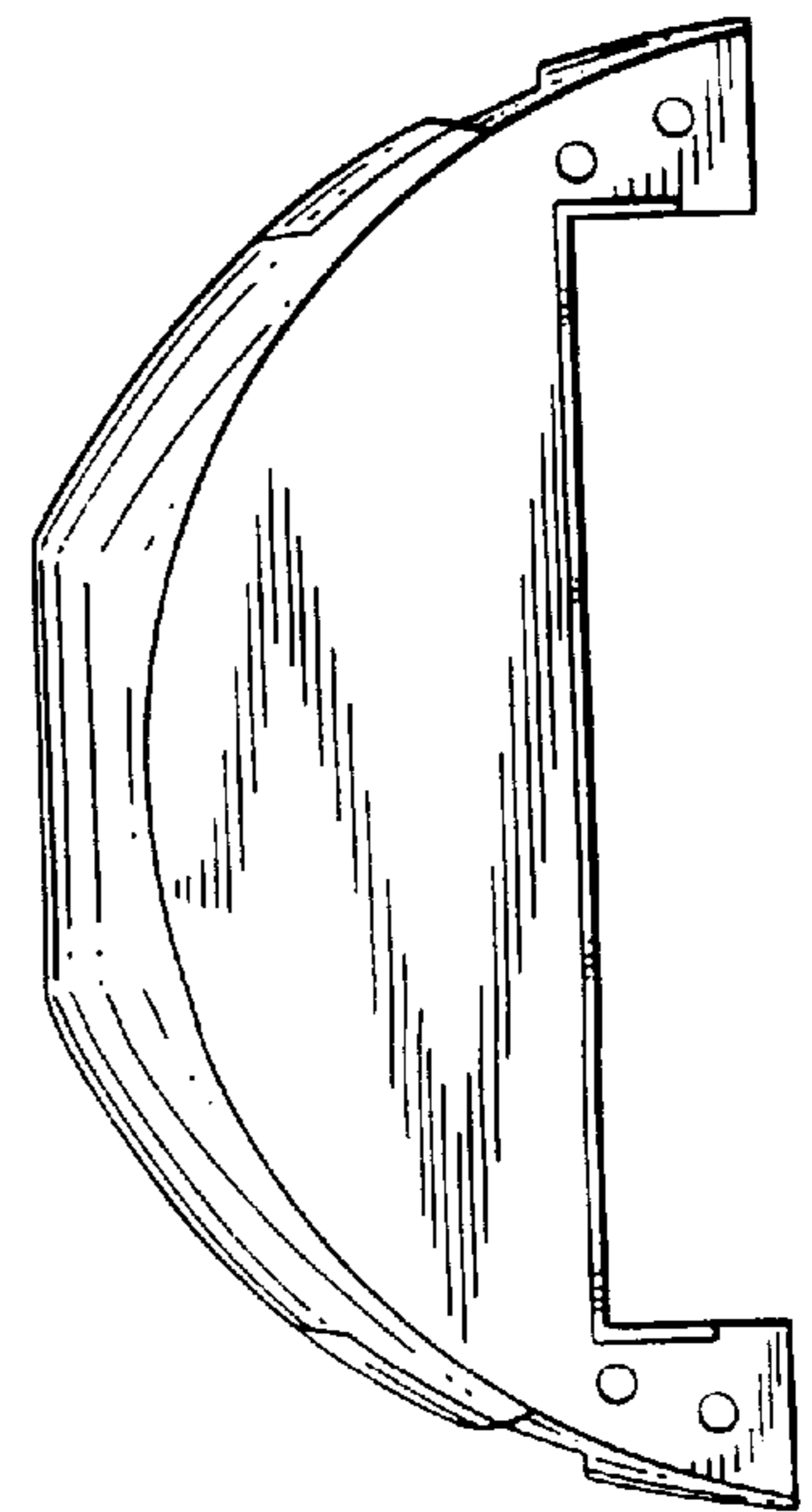


FIG. 15

FIG. 17

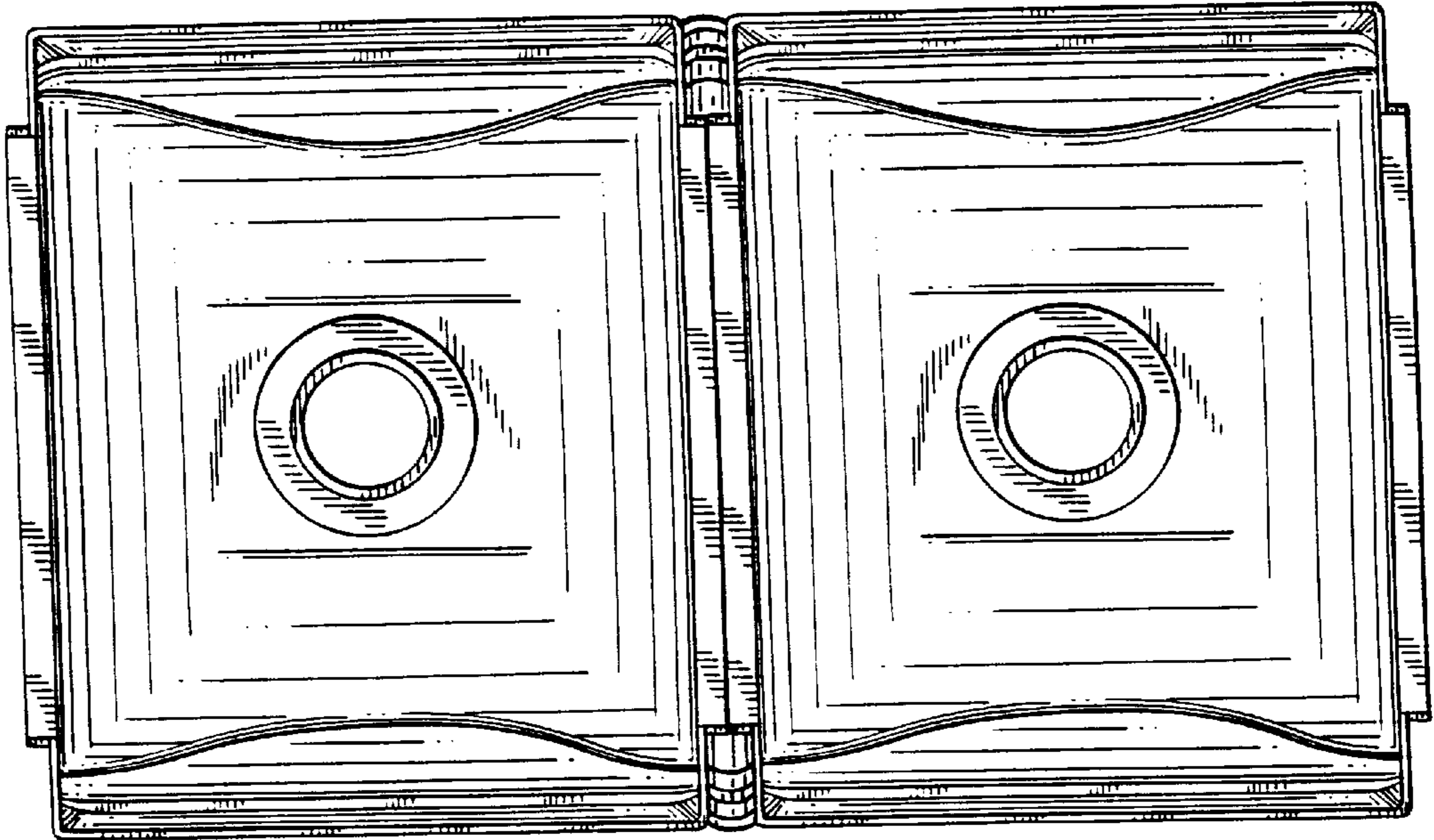
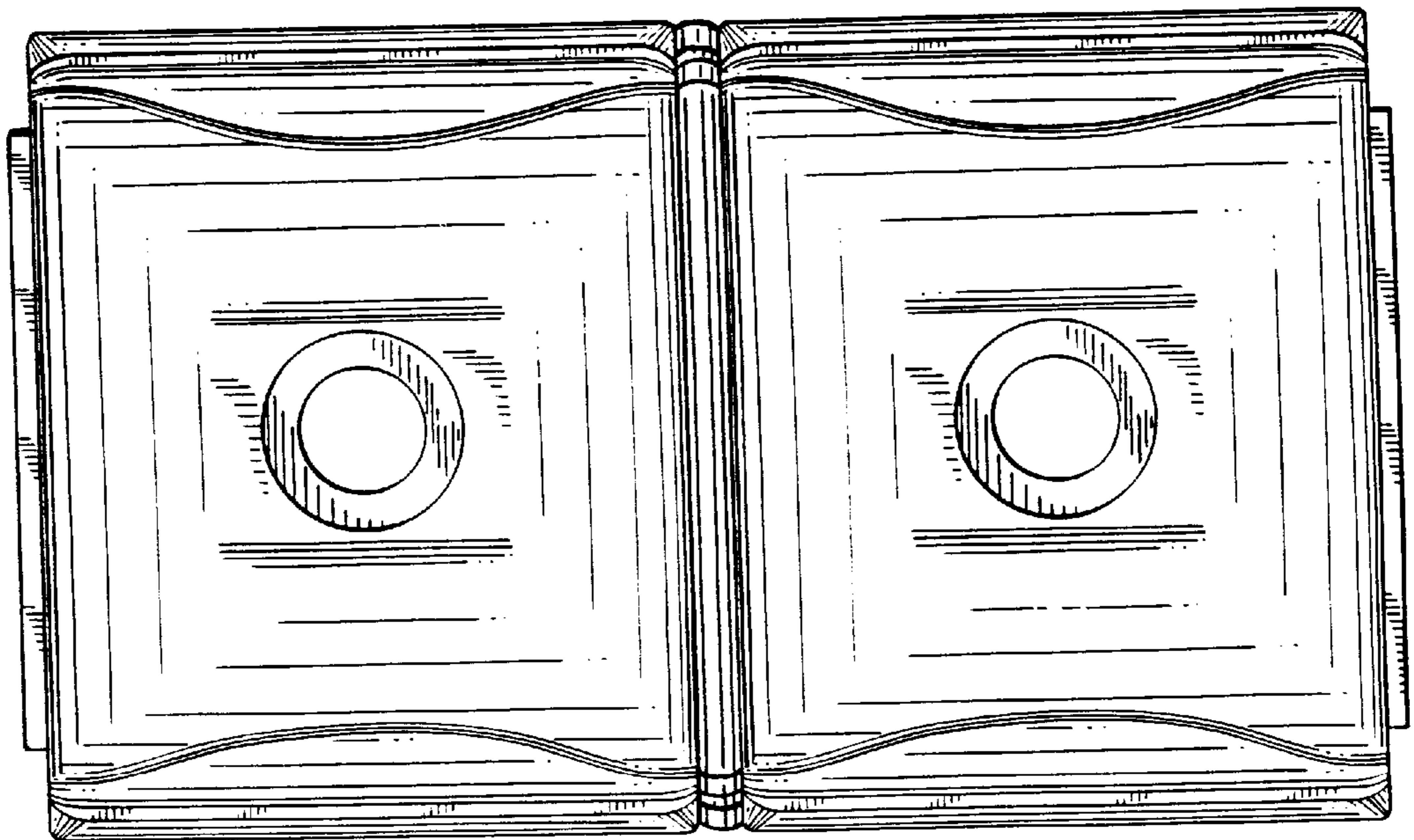


FIG. 14



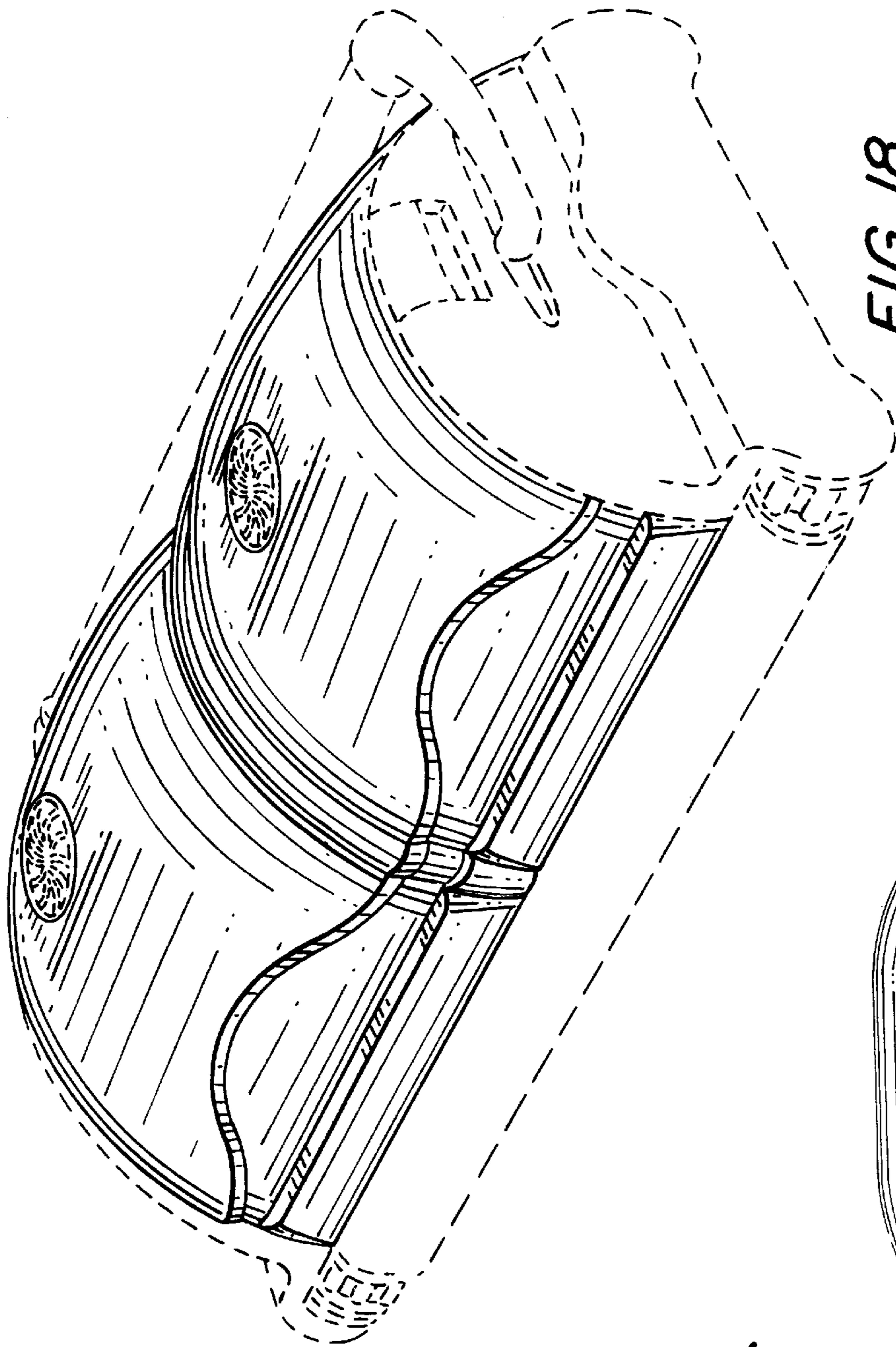


FIG. 16

FIG. 18

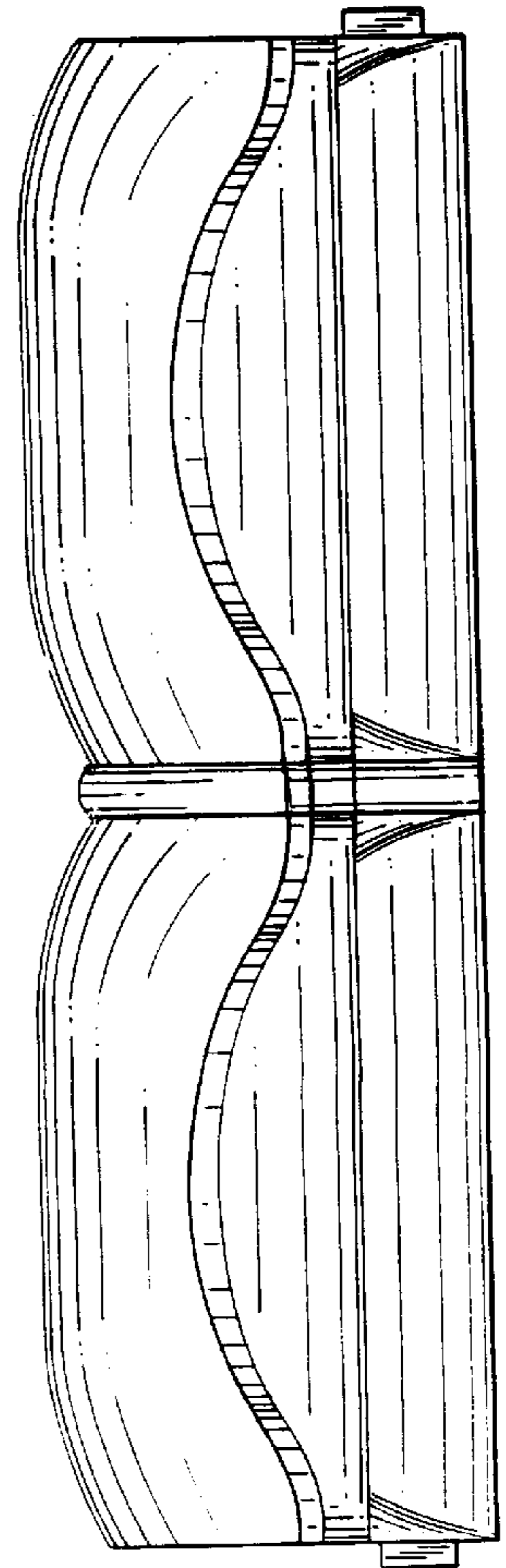


FIG. 19

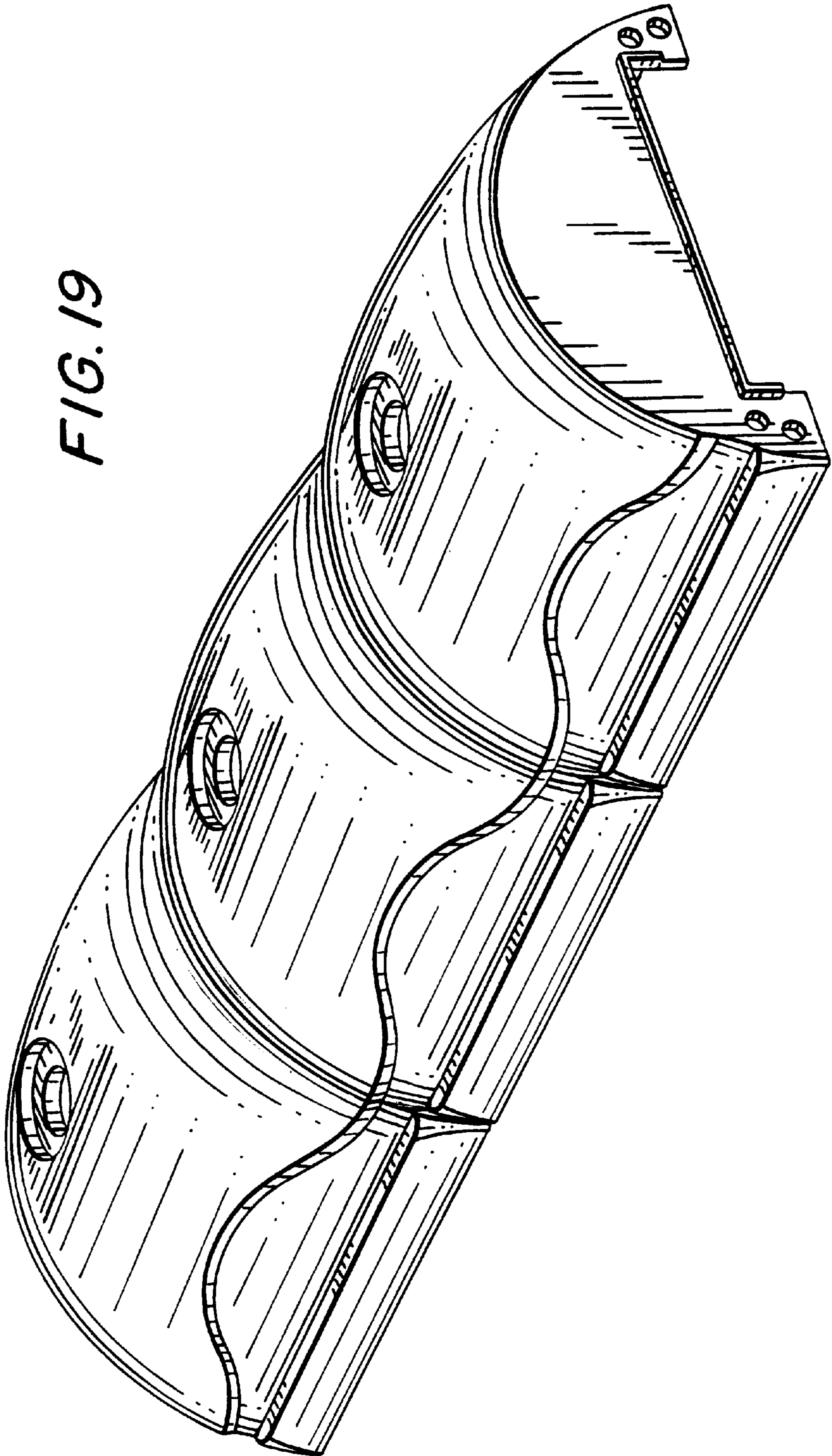


FIG. 20

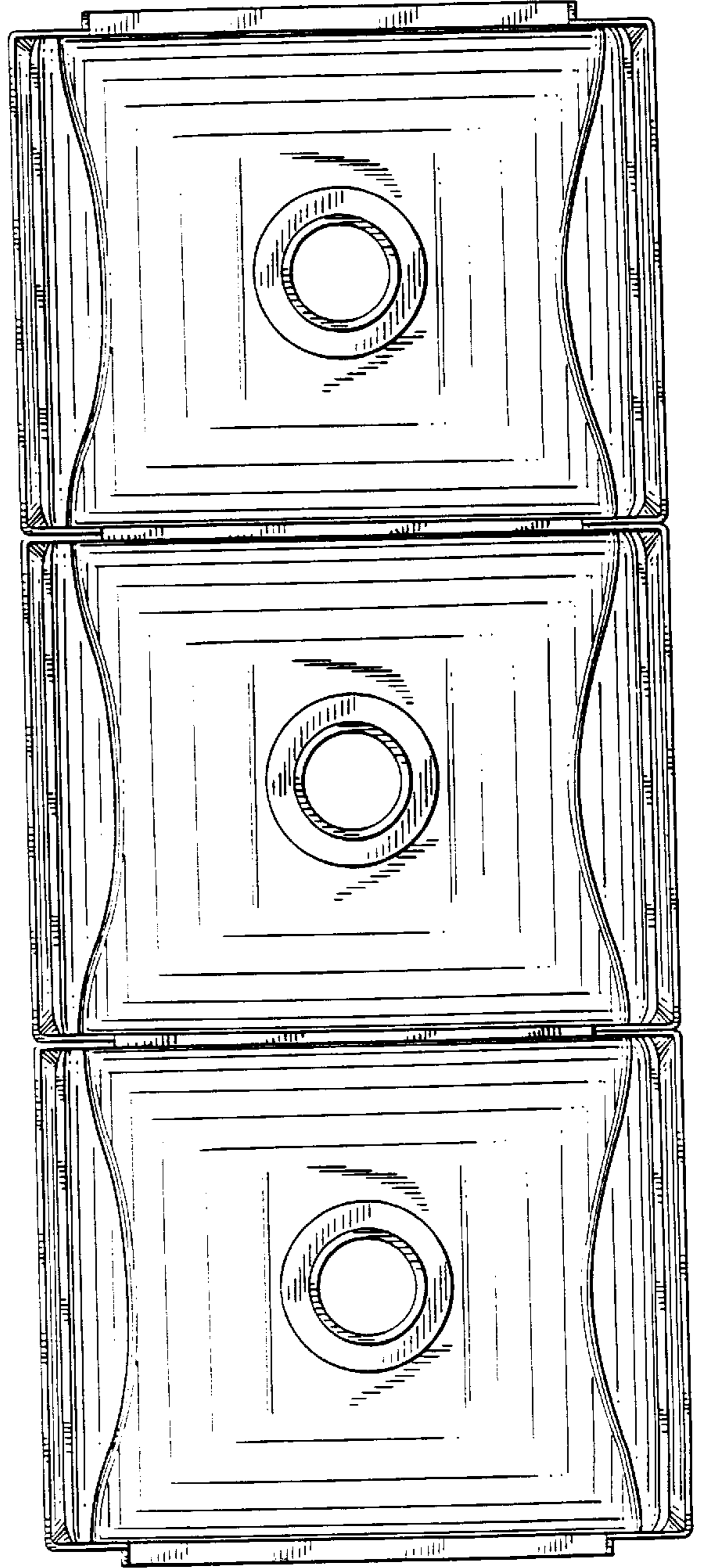
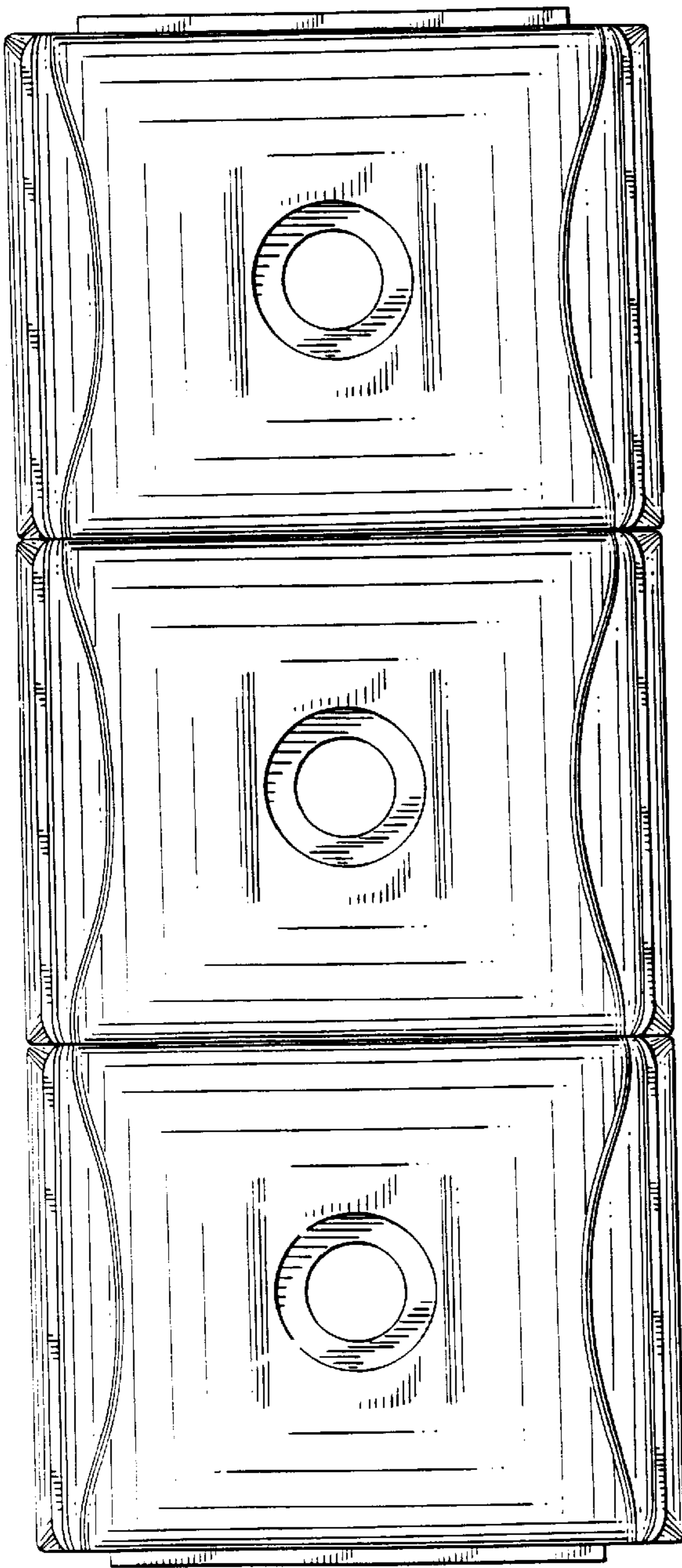


FIG. 23

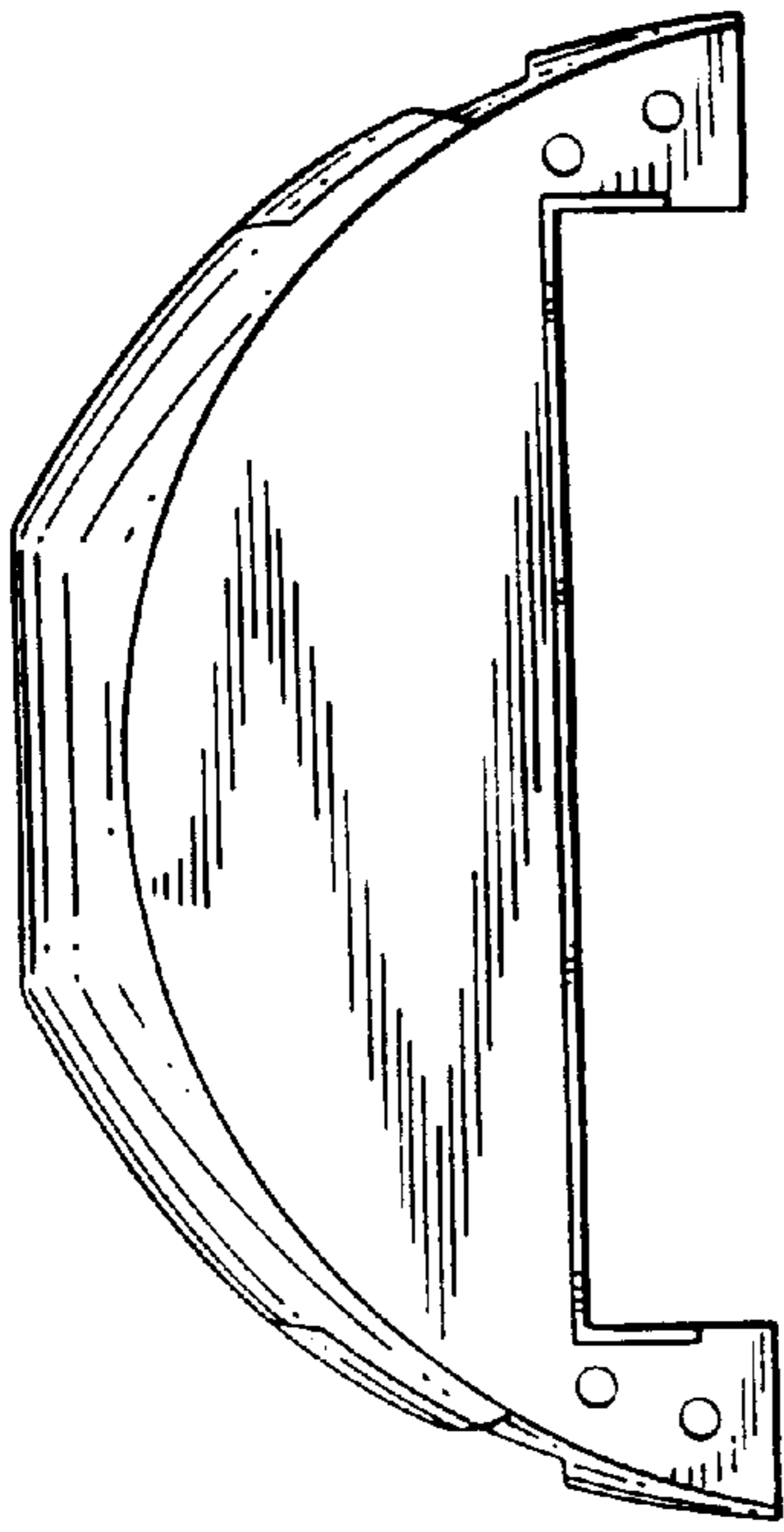


FIG. 21

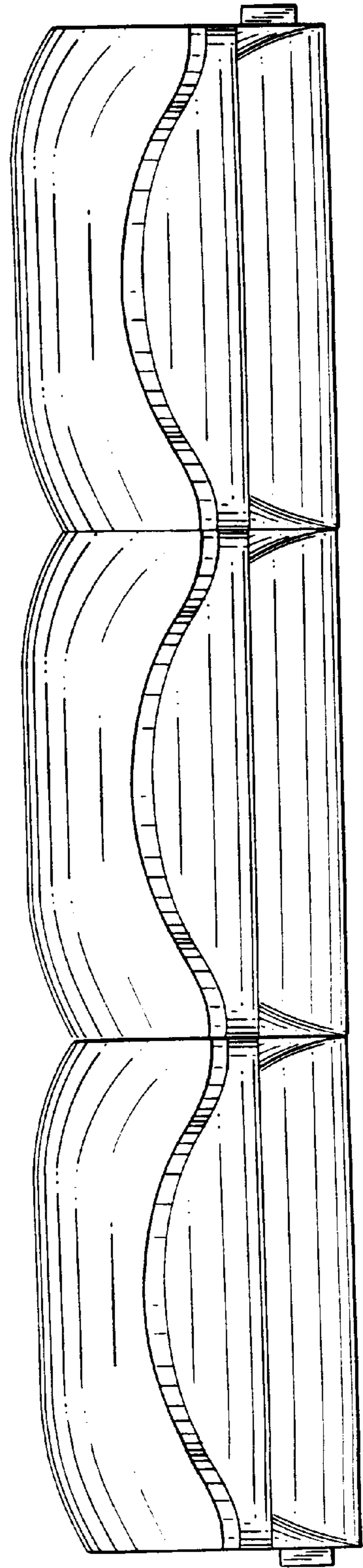


FIG. 22

FIG. 24

