



US00D542121S

(12) **United States Design Patent**
Seligman

(10) **Patent No.:** **US D542,121 S**

(45) **Date of Patent:** **** May 8, 2007**

(54) **HINGE WITH WORM GEAR**

WO WO 01/21114 A1 3/2001

(75) Inventor: **Scott Seligman**, San Marcos, CA (US)

OTHER PUBLICATIONS

(73) Assignee: **DJO, LLC**, Vista, CA (US)

Photo of hinge manufactured by Medi—front view, prior to Apr. 20, 2006.

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

Photo of hinge manufactured by Medi—side view, prior to Apr. 20, 2006.

(21) Appl. No.: **29/258,461**

* cited by examiner

(22) Filed: **Apr. 20, 2006**

Primary Examiner—T. Chase Nelson

(51) **LOC (8) Cl.** **08-06**

(74) *Attorney, Agent, or Firm*—Knobbe, Martens Olson & Bear LLP

(52) **U.S. Cl.** **D8/327**

(58) **Field of Classification Search** D8/323,
D8/324, 325, 326, 327, 328, 329, 349, 354,
D8/356; 16/234–237, 239–241, 245–246,
16/249, 254, 261–262, 265, 272, 277, 307,
16/319, 335, 339, 342, 379, 381–383, 384,
16/385, 386, 387, 388, 389, DIG. 13, DIG. 40,
16/DIG. 43, 221, 309, 316; D23/303; 248/200,
248/221.11, 300, 309.1, 317; 4/236–240;
602/16

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a hinge with worm gear, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of the hinge with worm gear according to the present design;
FIG. 2 is a top plan view of the hinge with worm gear of FIG. 1;
FIG. 3 is a bottom plan view of the hinge with worm gear of FIG. 1;
FIG. 4 is a rear elevational view of the hinge with worm gear of FIG. 1;
FIG. 5 is a front elevational view of the hinge with worm gear of FIG. 1;
FIG. 6 is a right-side elevational view of the hinge with worm gear of FIG. 1; and,
FIG. 7 is a left-side elevational view of the hinge with worm gear of FIG. 1.
Phantom lining, where used, is for illustrative purposes only, and forms no part of the claimed design.

(56) **References Cited**

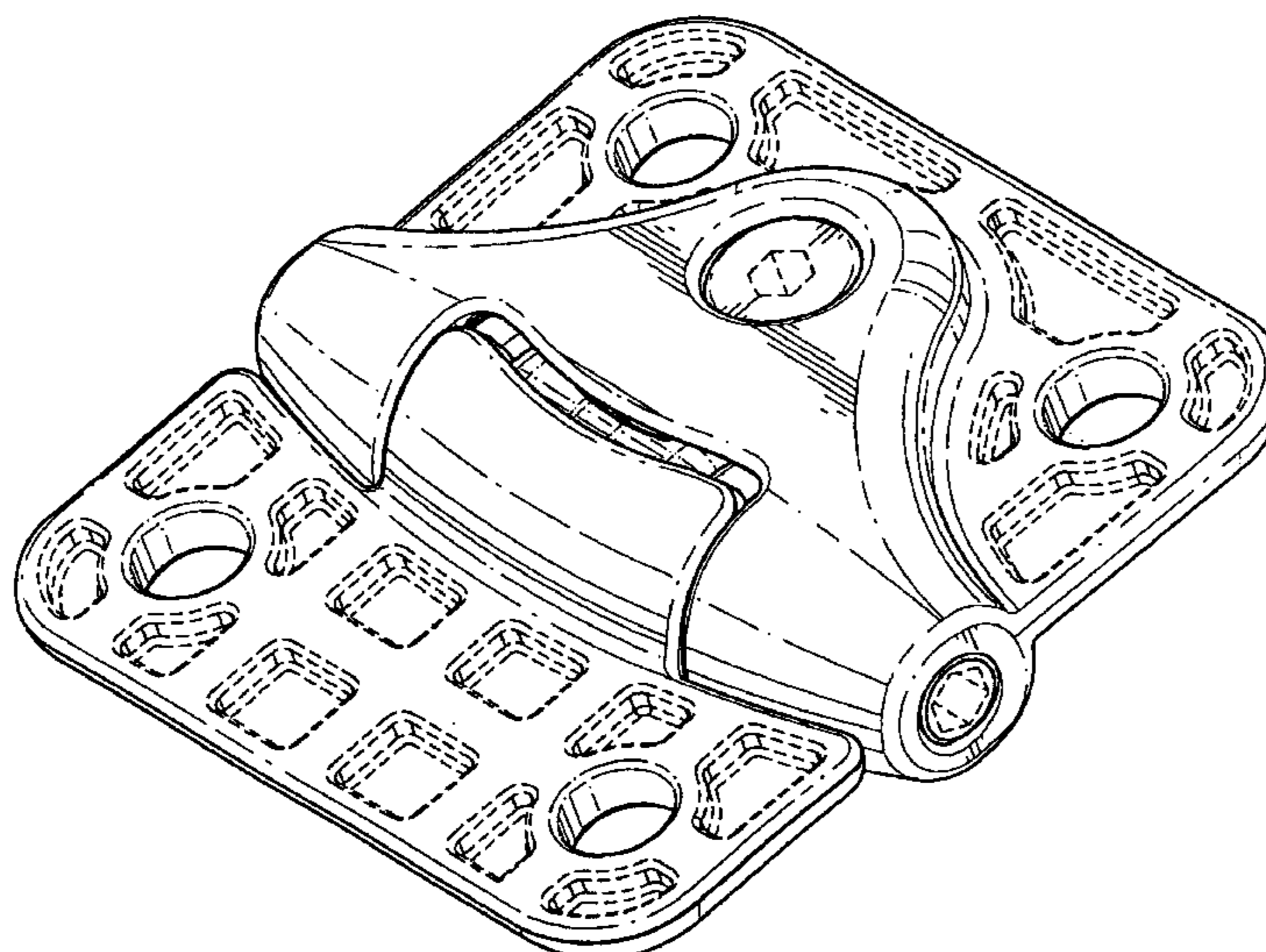
U.S. PATENT DOCUMENTS

D95,143 S	*	4/1935	North	.....	D8/329
D207,990 S	*	6/1967	Clover	.....	D8/328
4,864,690 A	*	9/1989	Chen	.....	16/386
D352,678 S	*	11/1994	Fildan	.....	D8/323
D385,475 S	*	10/1997	Bolinas et al.	.....	D8/328
5,765,263 A	*	6/1998	Bolinas et al.	.....	16/342
5,766,140 A		6/1998	Tillinghast, III et al.		
6,527,733 B1		3/2003	Ceriani et al.		

FOREIGN PATENT DOCUMENTS

DE 357243 8/1922

1 Claim, 4 Drawing Sheets



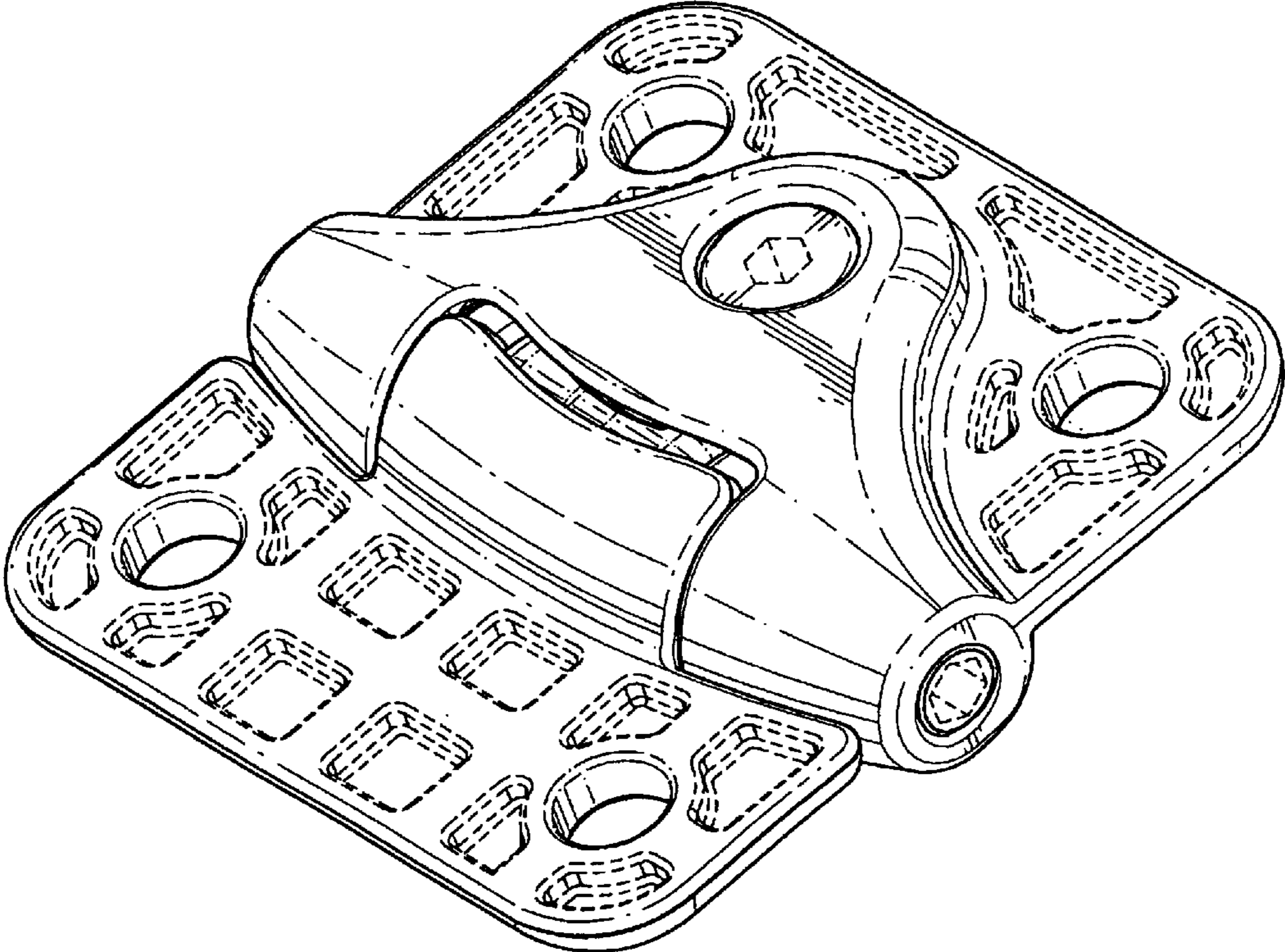


FIG. 1

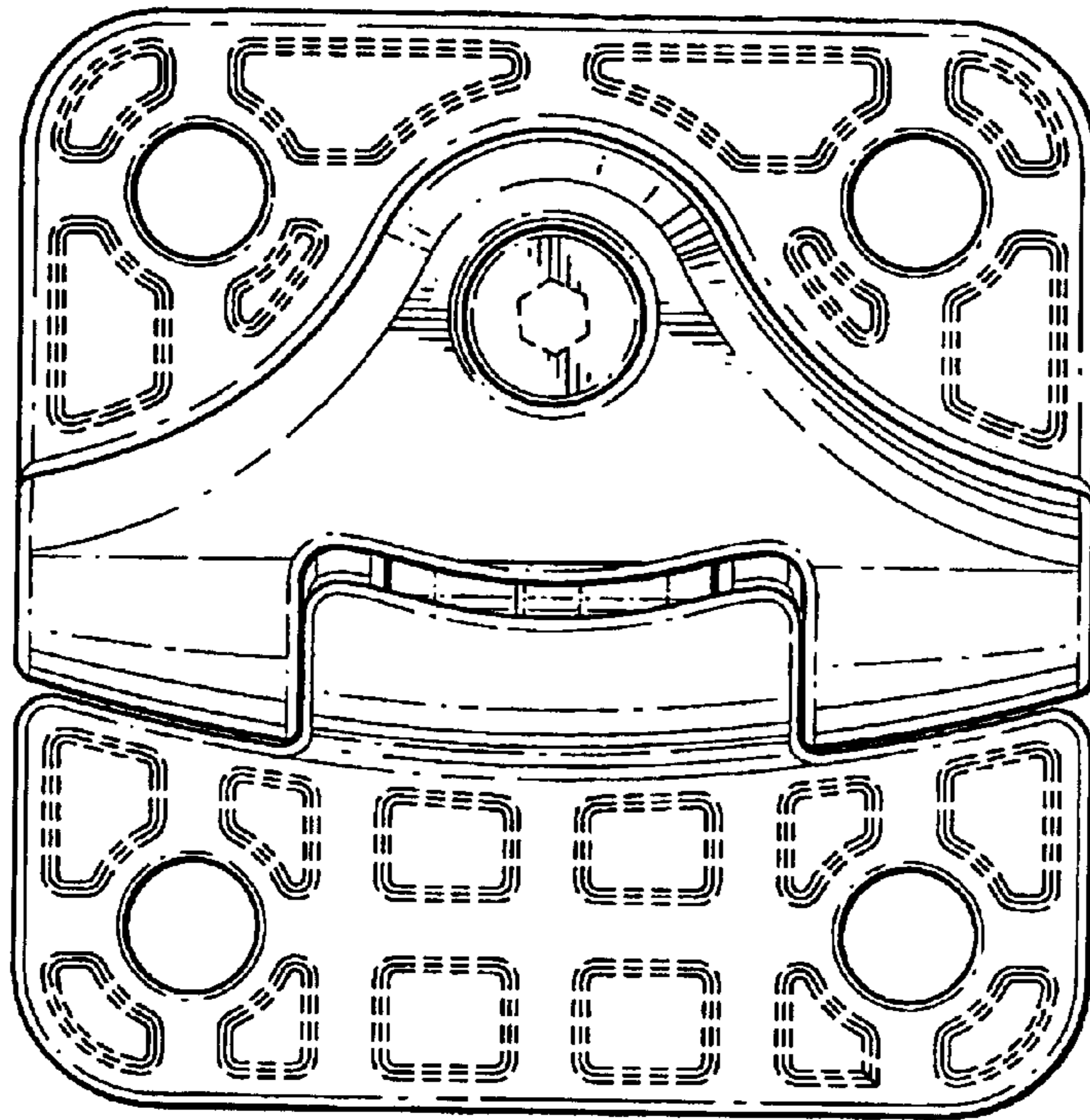


FIG. 2

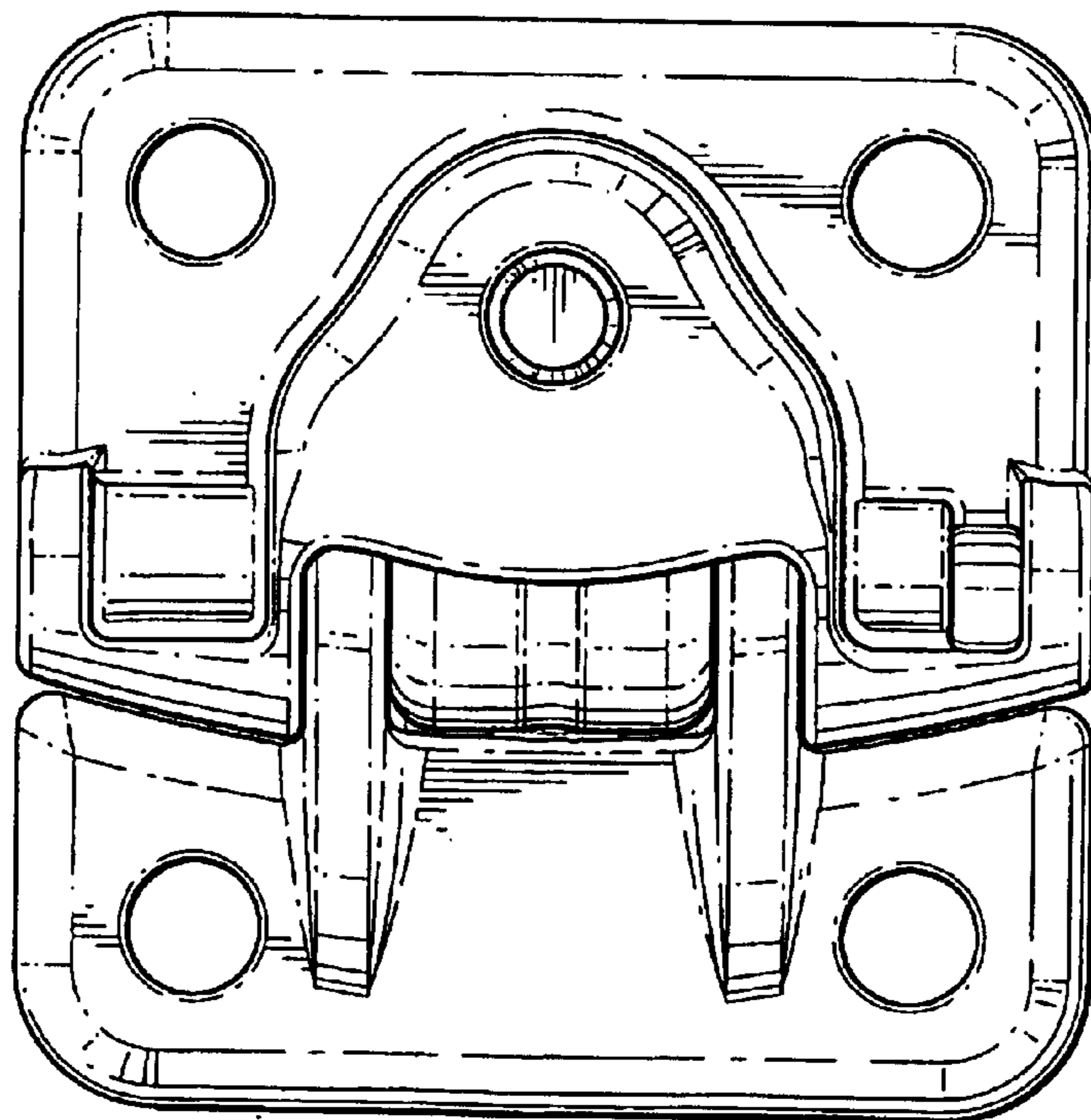


FIG. 3

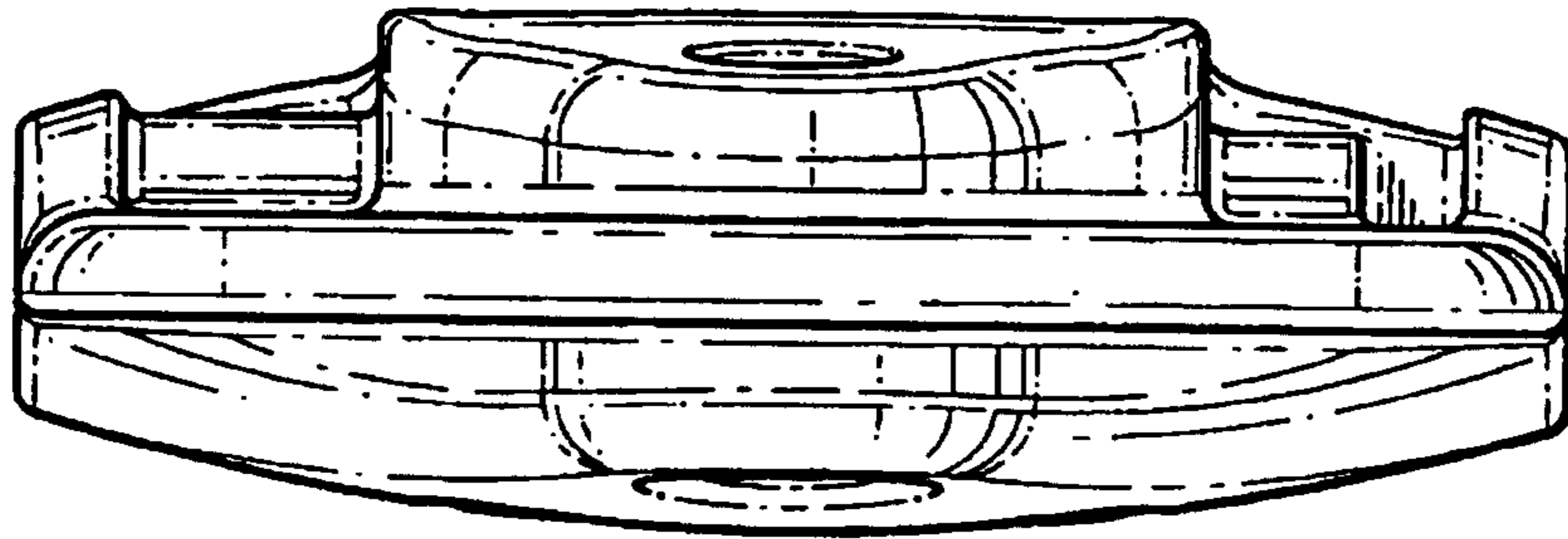


FIG. 4

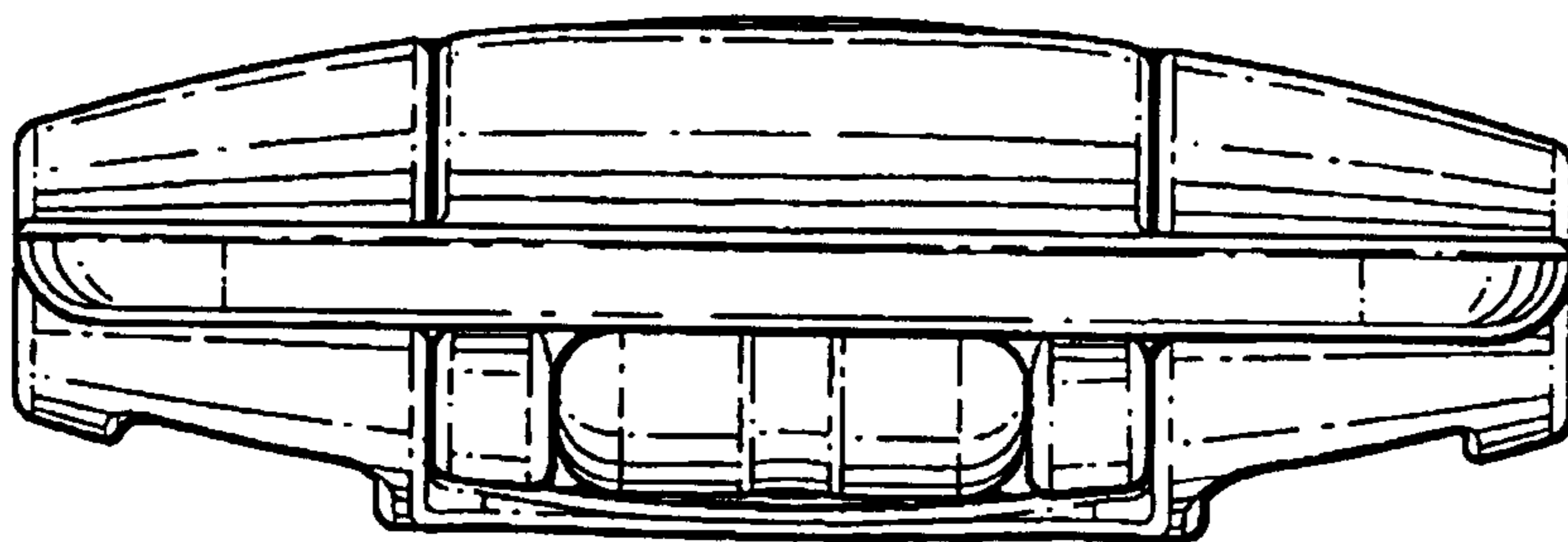


FIG. 5

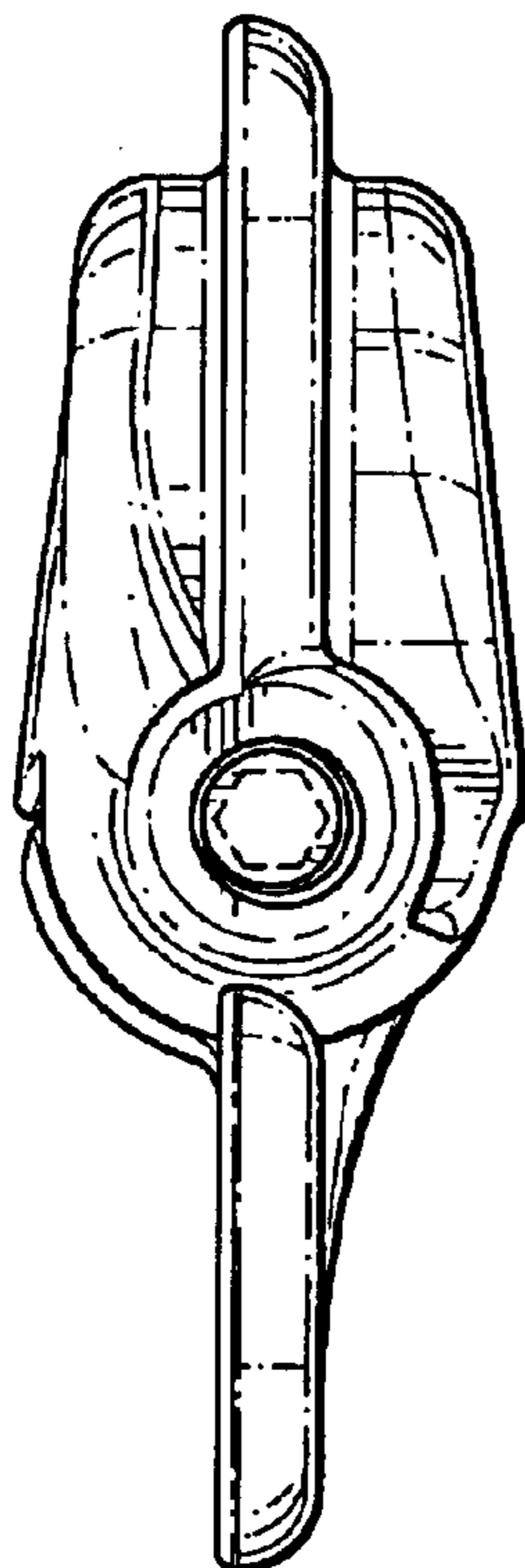


FIG. 6

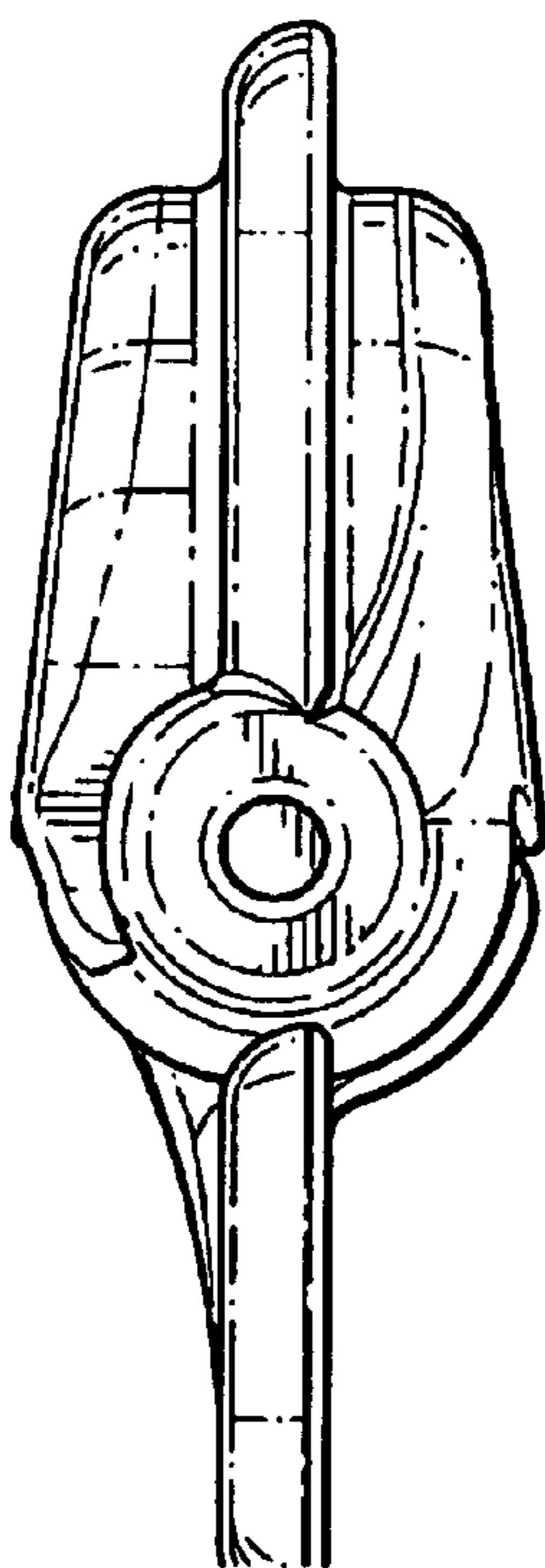


FIG. 7