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Tieu et al.

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(54) **LEVER ACTUATOR**

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

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(51) **LOC (9) Cl.** **08-06**

(52) **U.S. Cl.** **D8/302**

(58) **Field of Classification Search** D8/300,
D8/301, 302, 306, 313, 338; 70/208; 292/336.3,
292/347, DIG. 31; D12/196
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,427,386	A *	9/1947	Claud-Mantle	.....	292/169.11
2,840,407	A *	6/1958	Sellon, Jr.	.....	292/169
2,900,204	A *	8/1959	Pelcin	.....	292/173
2,987,908	A *	6/1961	Pelcin	.....	70/483
D218,672	S *	9/1970	Lauper	.....	D8/302
D303,617	S *	9/1989	Russell et al.	.....	D8/306
D303,618	S *	9/1989	Russell et al.	.....	D8/306
D303,619	S *	9/1989	Russell et al.	.....	D8/313
D304,155	S *	10/1989	Russell et al.	.....	D8/303
D314,131	S *	1/1991	Russell et al.	.....	D8/321
5,127,686	A *	7/1992	Gleason et al.	.....	292/216
D346,731	S *	5/1994	Larsen et al.	.....	D8/301
D373,298	S *	9/1996	Miehe et al.	.....	D8/302
5,586,458	A *	12/1996	Weinerman et al.	.....	70/208
D383,664	S *	9/1997	Bennett	.....	D8/331
D417,555	S *	12/1999	Yared et al.	.....	D6/306
D419,421	S *	1/2000	Larsen et al.	.....	D8/306
D459,969	S *	7/2002	Larsen et al.	.....	D8/302

D465,142	S *	11/2002	Weinerman et al.	.....	D8/302
6,708,537	B1 *	3/2004	Eschweiler et al.	.....	70/208
6,802,544	B1 *	10/2004	Lane	.....	292/336.3
7,158,044	B2 *	1/2007	Monig et al.	.....	340/686.6
7,237,411	B2 *	7/2007	Pantke et al.	.....	70/208
D564,855	S *	3/2008	Hidding et al.	.....	D8/302
D588,895	S *	3/2009	Eschweiler et al.	.....	D8/302

OTHER PUBLICATIONS

Cable Manufacturing and Assembly Co. Inc., Lever Actuator, Model 11603, shown on p. 1 of 5-page Specifications Document for Remote Actuation Systems Actuators, printed from www.cmacable.com on May 7, 2008.

* cited by examiner

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(57) **CLAIM**

The ornamental design for an lever actuator, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a lever actuator showing our new design;

FIG. 2 is a bottom elevational view thereof;

FIG. 3 is a right side elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevational view thereof;

FIG. 7 is a top perspective view thereof; and,

FIG. 8 is a bottom perspective view thereof.

The bottom views, as seen in 2 and 8 of the combination handle and handle-housing are not claimed. The figures are submitted for informational purposes and do not form part of the claimed combination.

1 Claim, 2 Drawing Sheets

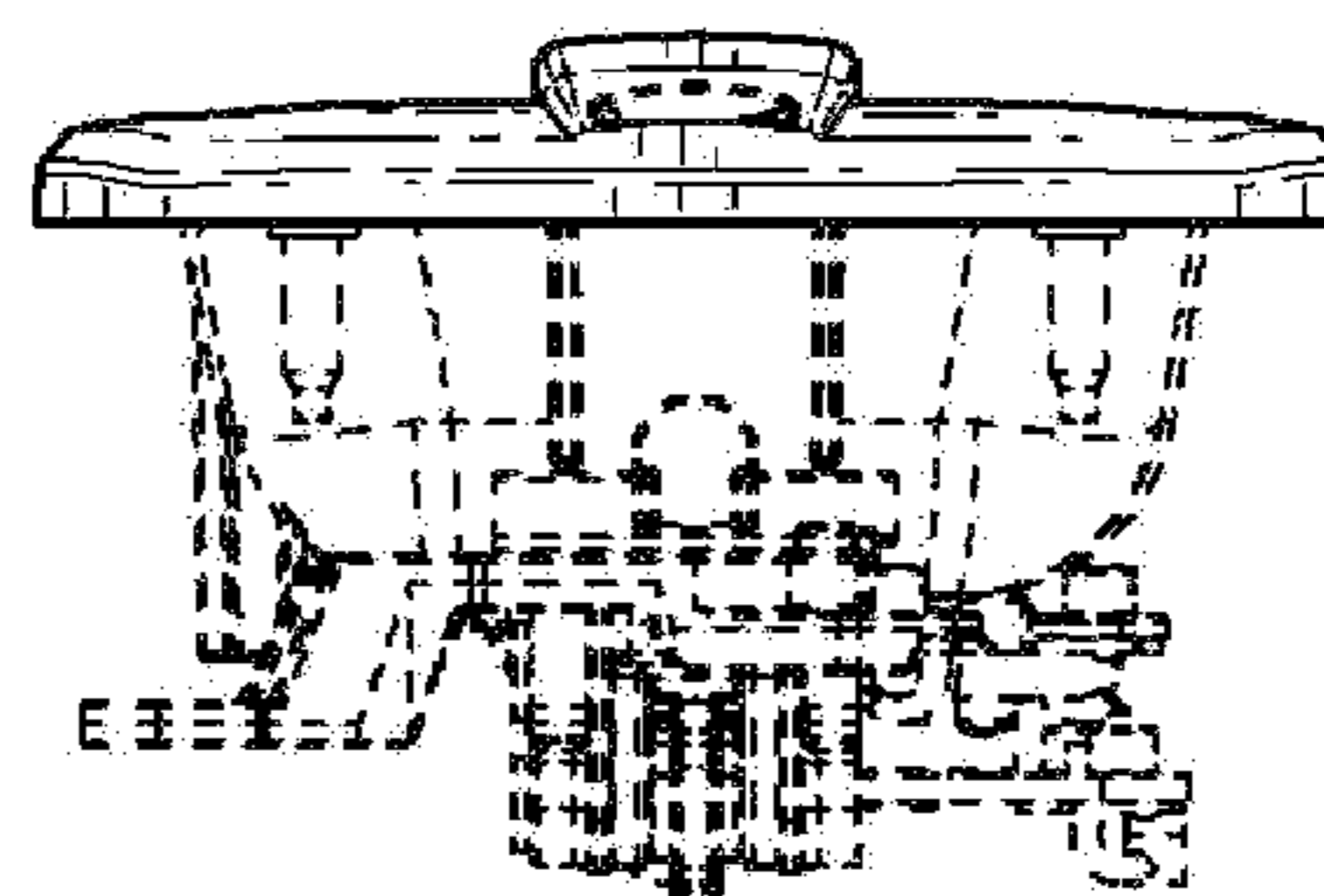
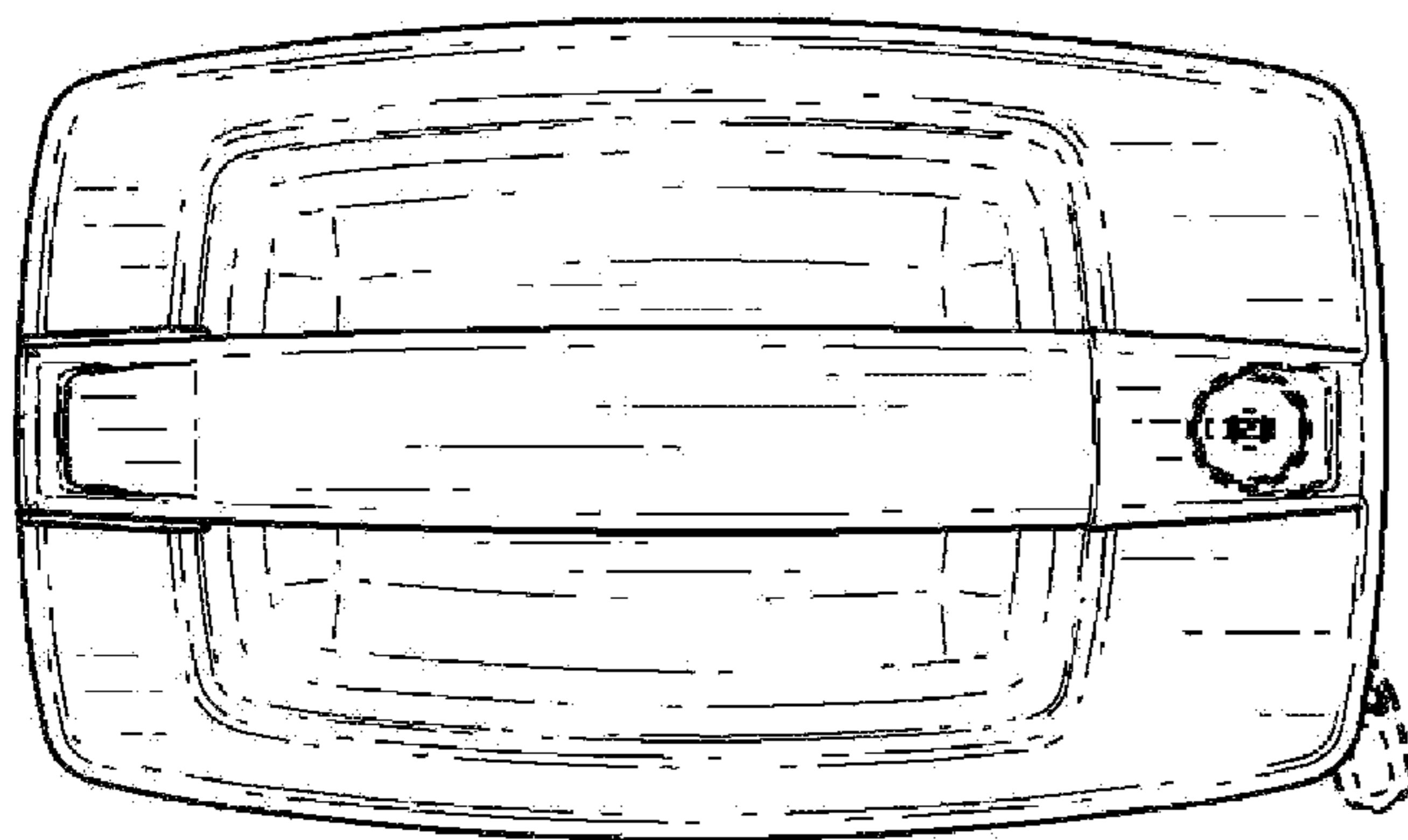




FIG. 1

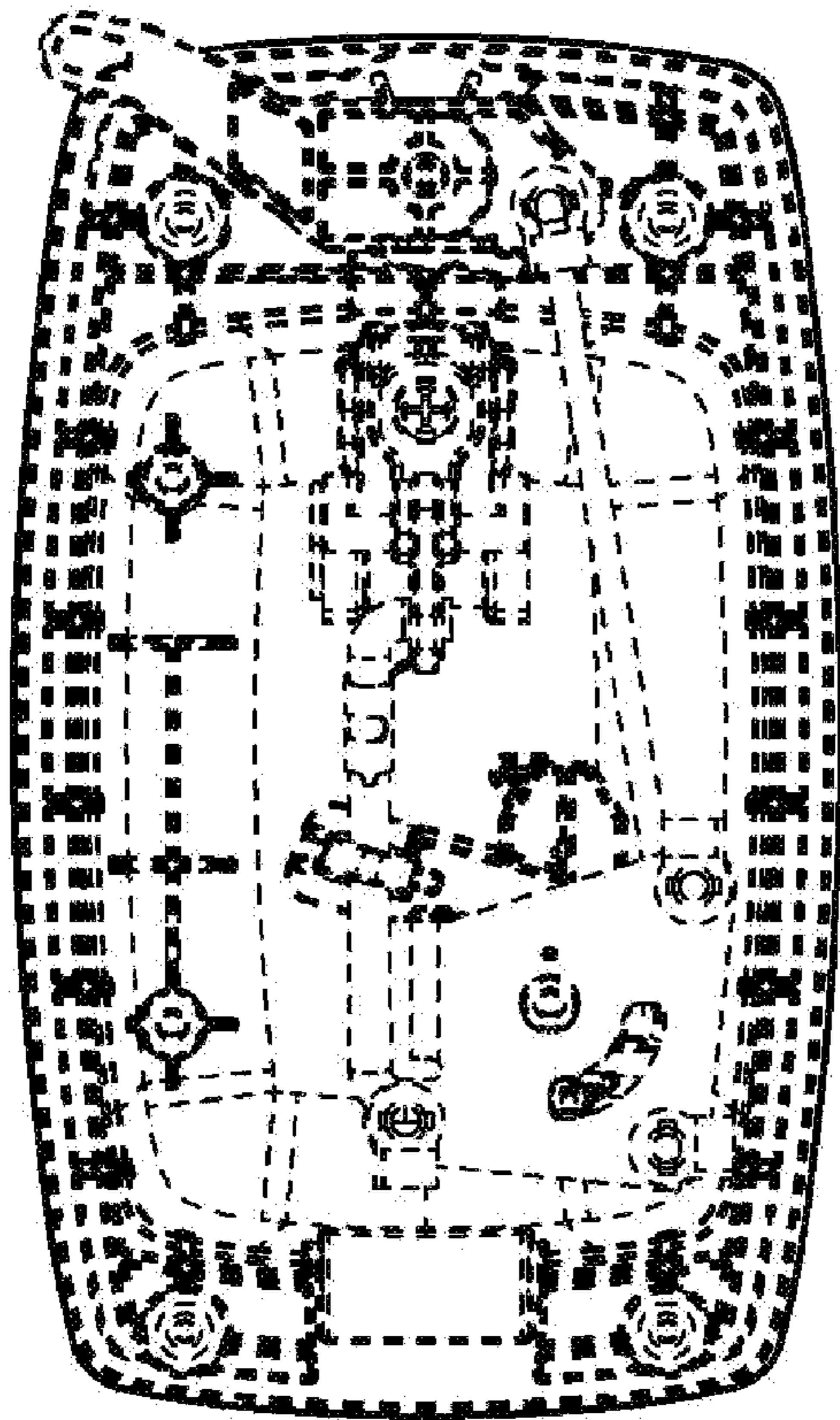


FIG. 2

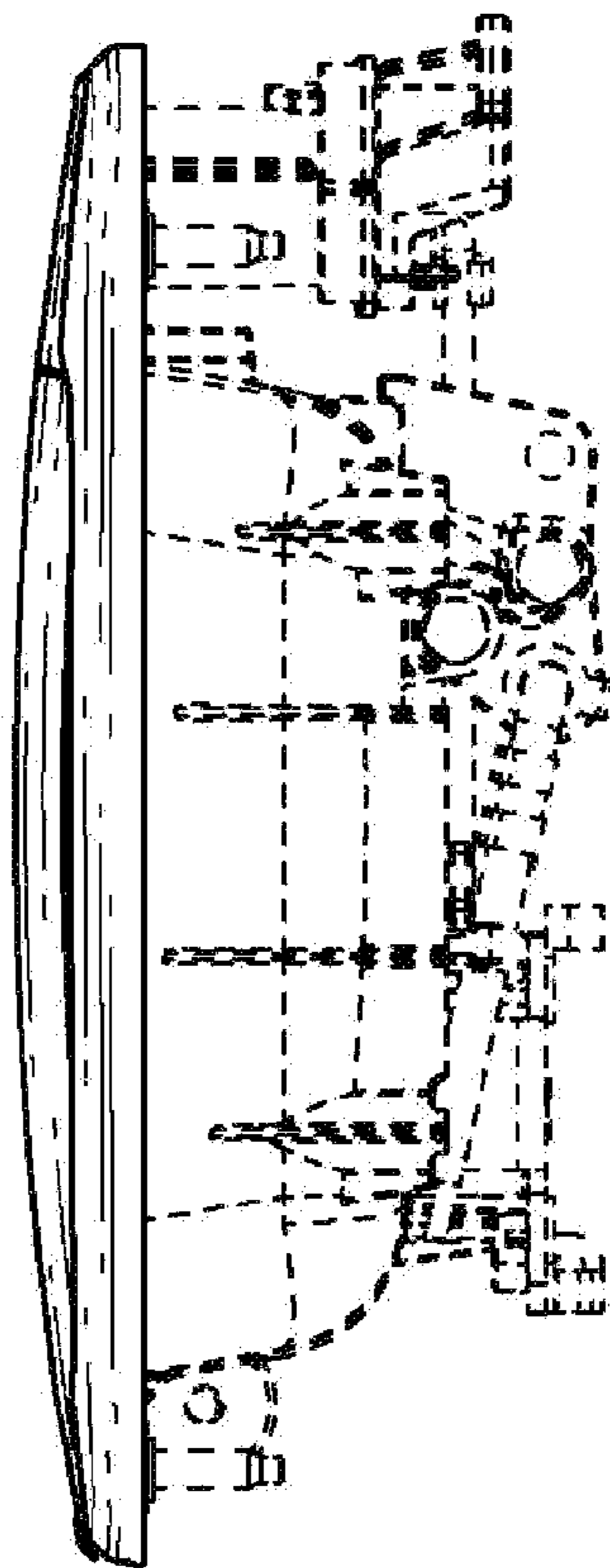


FIG. 3

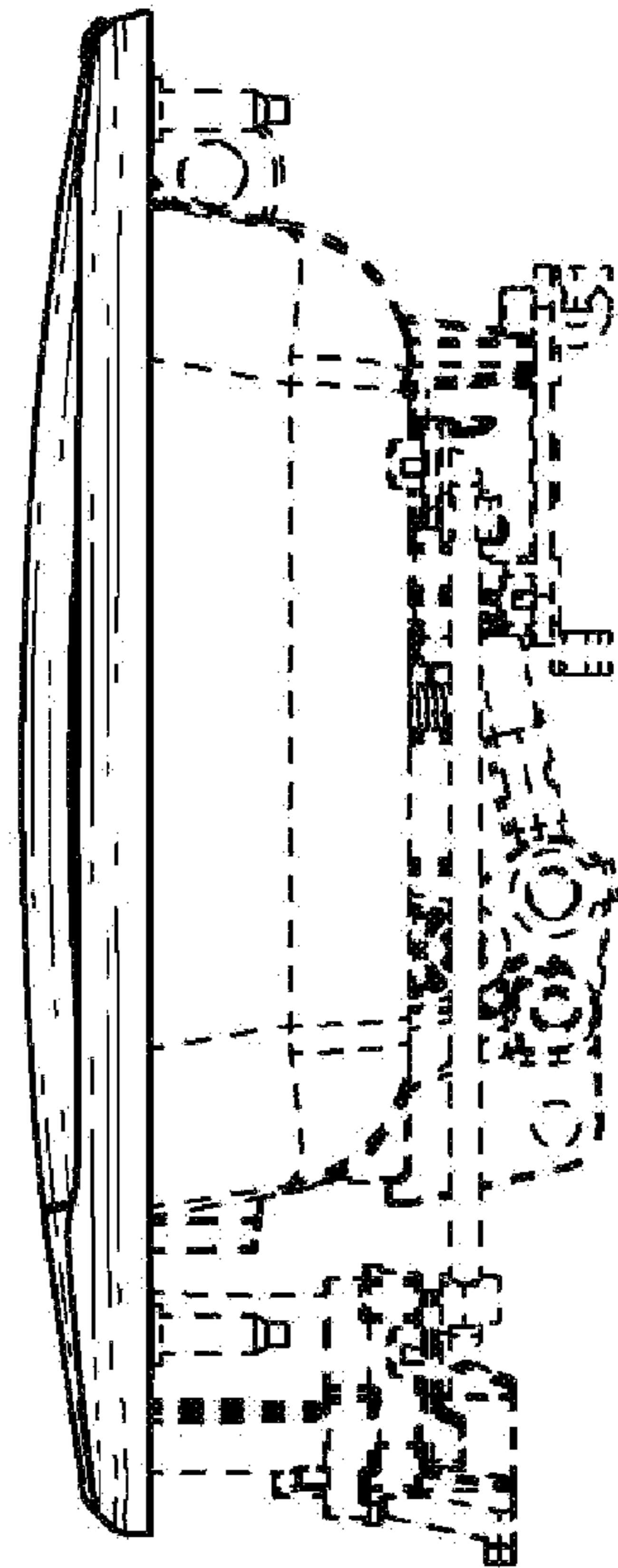


FIG. 4

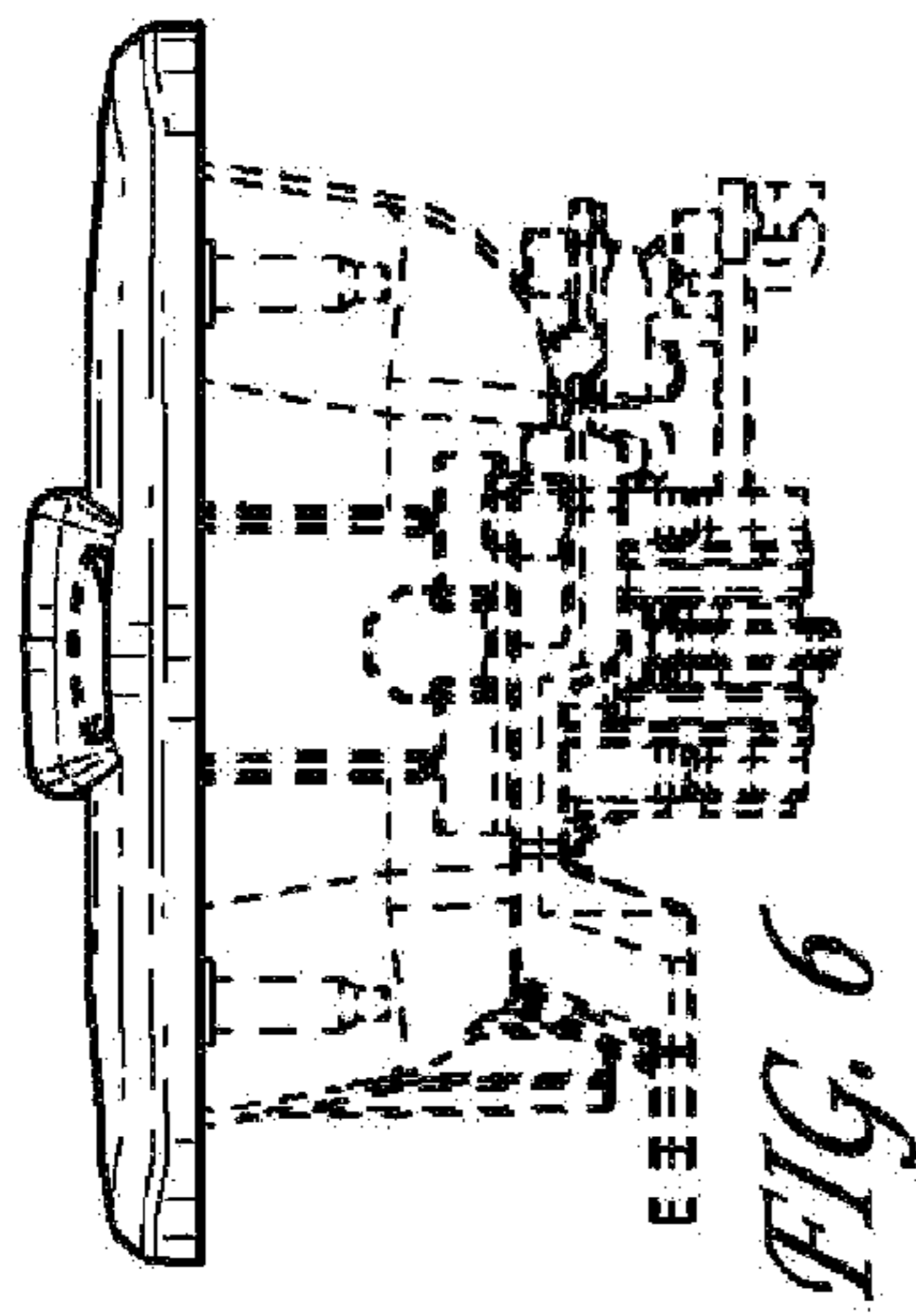


FIG. 5

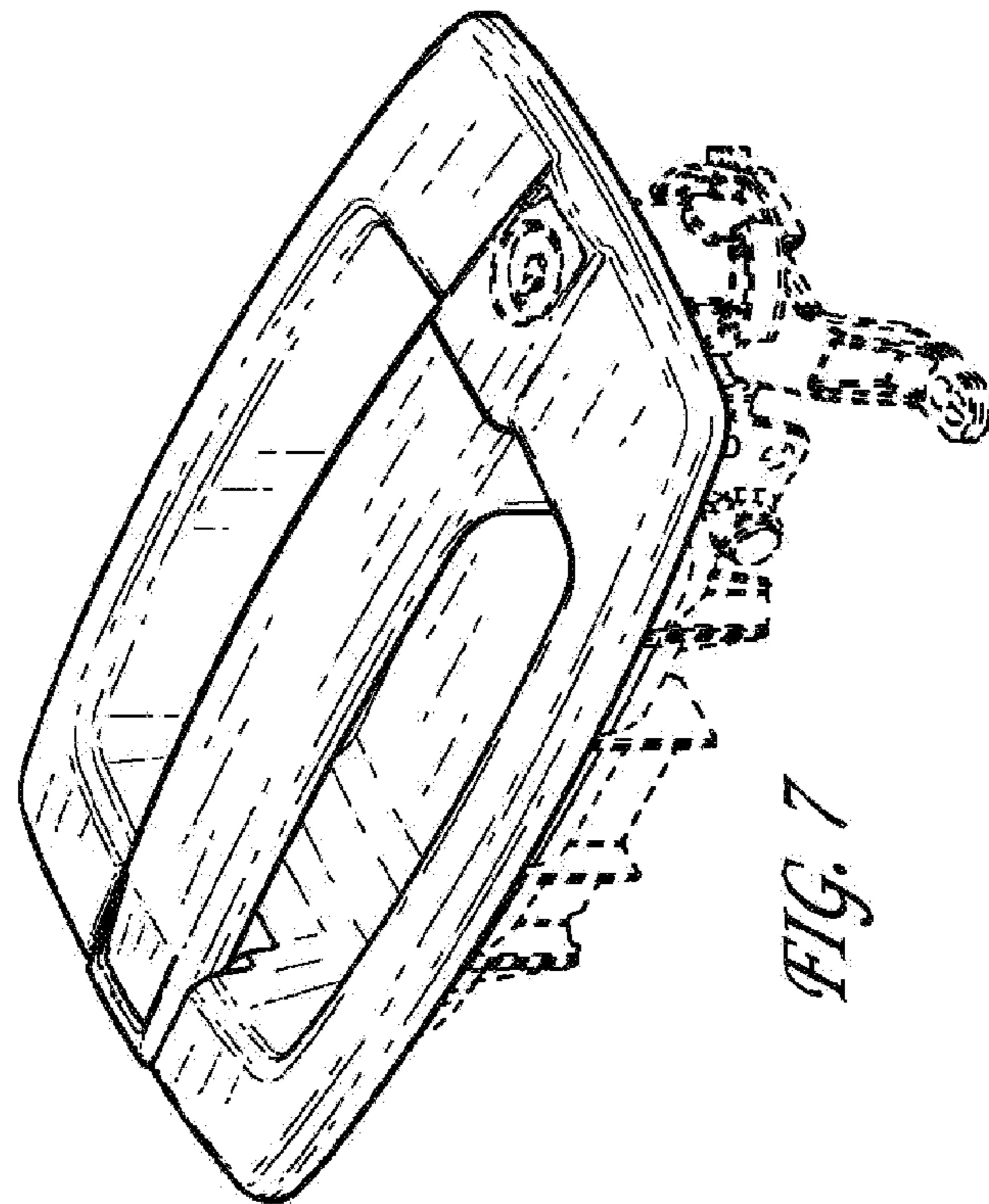


FIG. 7

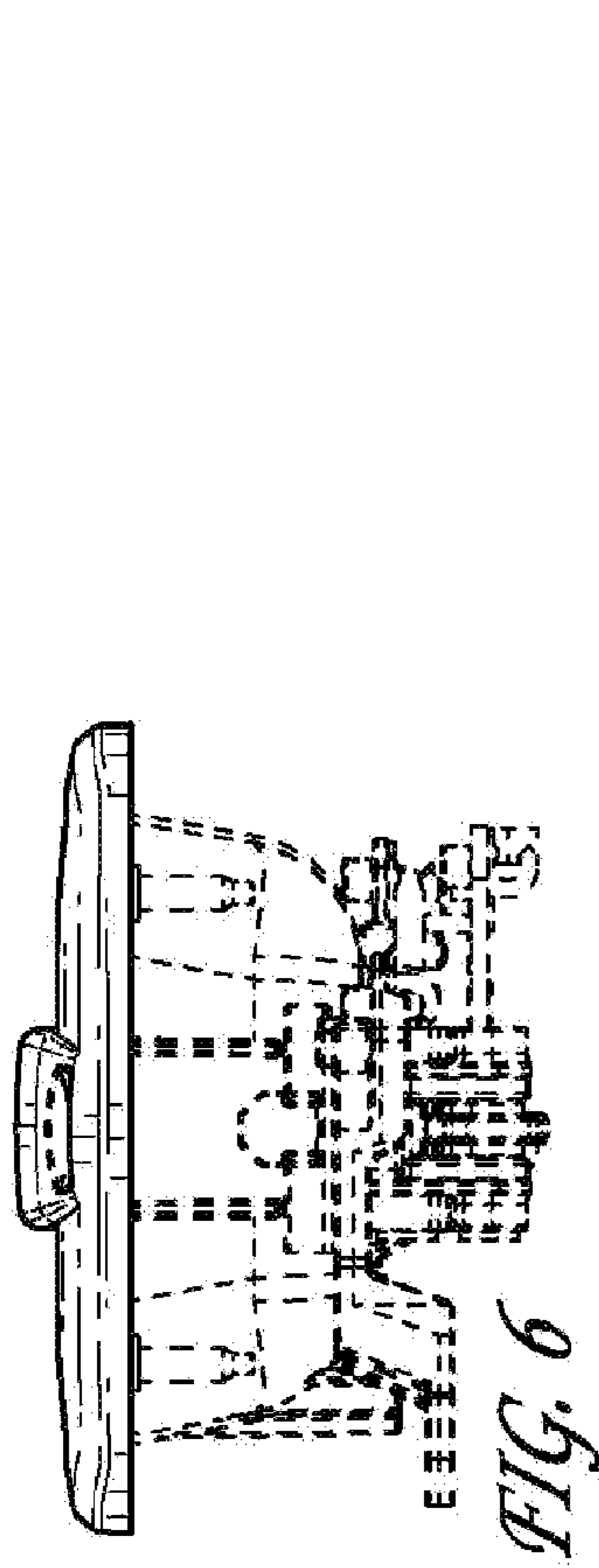


FIG. 6

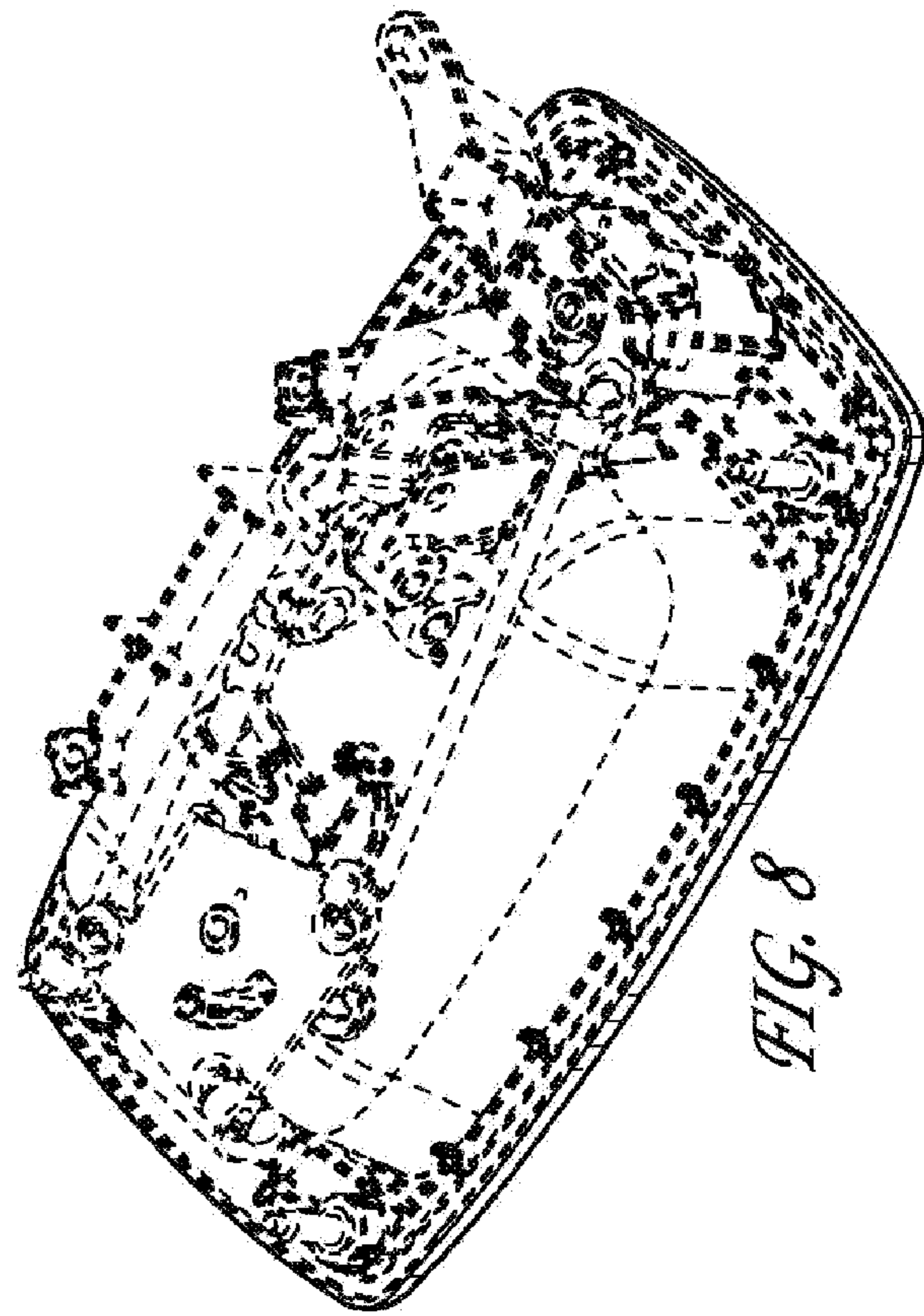


FIG. 8