

US00D543003S

(12) **United States Design Patent** (10) **Patent No.:** **US D543,003 S**
Helmetsie (45) **Date of Patent:** **** May 15, 2007**

(54) **ACTUATOR FOR A LIFTING DEVICE**

(75) Inventor: **Eugene Helmetsie**, Spencer, NY (US)

(73) Assignee: **Gorbel, Inc.**, Fishers, NY (US)

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

(21) Appl. No.: **29/256,812**

(22) Filed: **Mar. 24, 2006**

(51) **LOC (8) Cl.** **12-05**

(52) **U.S. Cl.** **D34/35**

(58) **Field of Classification Search** D34/28,
D34/33, 35; 180/19.1, 19.3, 90; 296/70; 280/43.12,
280/752; 254/267, 380, 382, 384, 335, 372
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,636,953	A	4/1953	Hunt	
2,940,608	A	6/1960	Underwood et al.	
2,991,976	A *	7/1961	Carroll	254/276
3,163,399	A *	12/1964	Skerry	254/369
3,182,962	A *	5/1965	Gray	254/375
3,258,248	A *	6/1966	Lerch et al.	254/369
3,286,989	A	11/1966	Bangerter et al.	

(Continued)

OTHER PUBLICATIONS

Bando I-Lifter; Intelligent Lifter i-Lifter; Ci-Type Chain Hoist; www.bandohoist.com; www.bandocranes.cn; 2 pages.

Cobotics' iLift and iTrolley Win Good Design Award; Cobotics; www.cobotics.com; c.Cobotics 2002; 4 pages.

Cobotics' iLift and iTrolley Win Good Design Award; Stanley assembly Technology 1 page; c. 2003-2004 The Stanley Works.

Gorbel Pendant Handle—G-Force; Optional handle gives G-Force and Easy Arm more control; www.gorbel.com/gforce/easyarm.asp; 2 pages; c. 2005.

Gorbel Cranes; Gorbel ergonomic workstation cranes; www.gorbel.com; Brochure 12 pages; c. 2003.

Gorbel G-Force Brochure; G-Force: A class above traditional lifting; 6 page brochure; www.gorbel.com/gforce.

IR Parts, Installation and Maintenance Manual for Series ZA, EA and BA Air Balancers; Form MHD56151 Edition 03 Jun. 2000; 54072541; c. 2000 Ingersoll-Rand.

IR-Parts, Operation and Maintenance Manual for Air Lift Balancer; Form MHD56088; Edition 2; May 1995; 71147029 c. 1995 Ingersoll-Rand company.

IR Zimmerman Intelift Control System; Webpage from Oct. 24, 2001.

Midaco Corporation; Webpage www.midaco.com>Products> MIDACO Lift L-150; MIDACO Lift L-500; c 2004 Midaco Corporation.

Stanley Cobotics Web pages; Material Handling: A new solution to today's material handling; c. 2003 The Stanley Works.

Primary Examiner—Cynthia E. Ramirez

(74) Attorney, Agent, or Firm—Duane C. Basch; Basch & Nickerson, LLP

(57) **CLAIM**

The ornamental design for an “actuator for a lifting device,” as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the top, front and right side of the actuator for a lifting device showing my new design;

FIG. 2 is a front elevation view of the actuator;

FIG. 3 is a right side elevation view of the actuator;

FIG. 4 is a rear elevation view of the actuator;

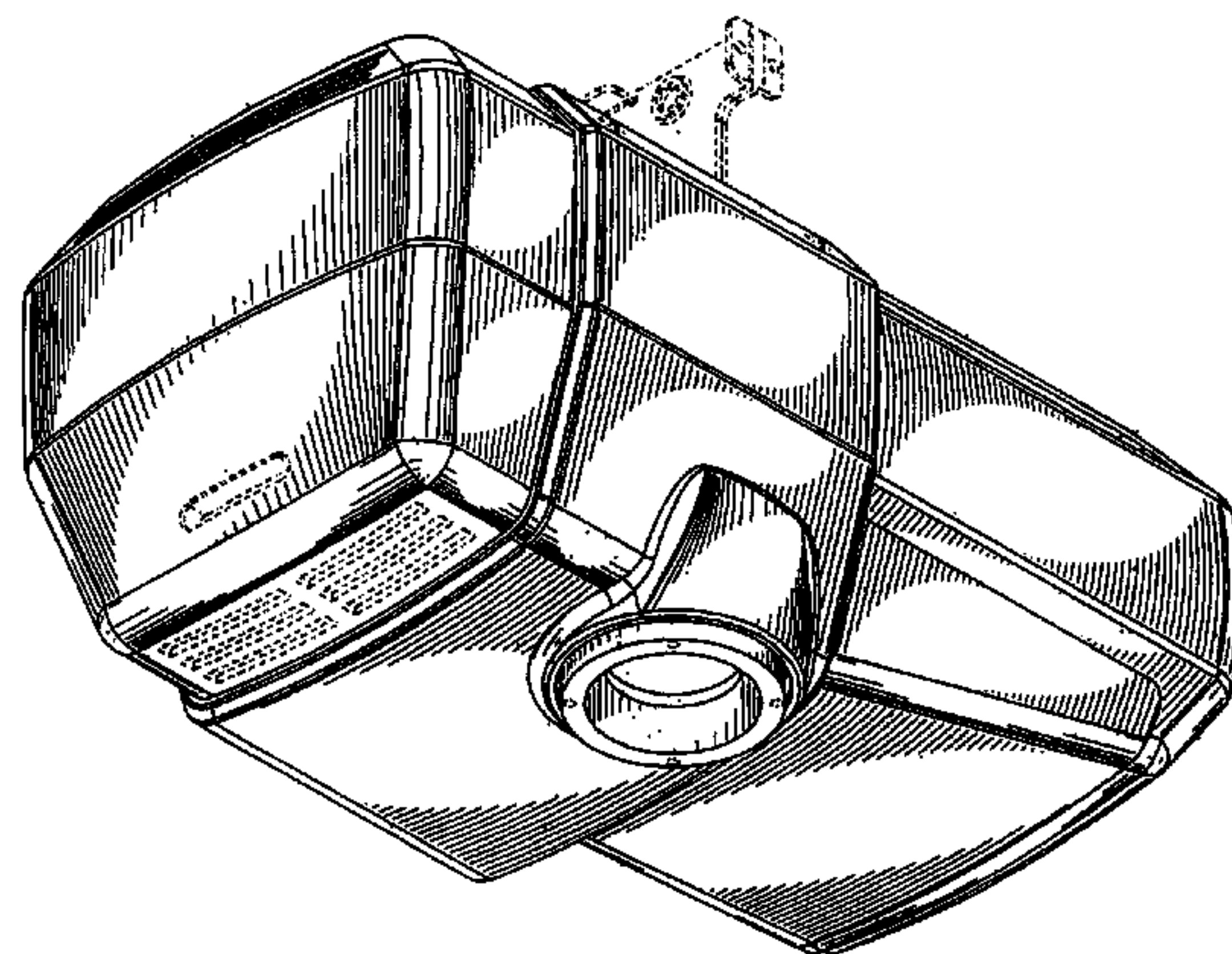
FIG. 5 is a left side elevation view of the actuator;

FIG. 6 is a view looking upwardly at the actuator from below; and,

FIG. 7 is a top plan view of the actuator.

The broken-lines of FIGS. 1 through 7 depict assembly components as well as mounting hardware used to attach the actuator to other components of a lifting device. These broken line features are depicted for illustrative purposes only, and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



US D543,003 S

Page 2

U.S. PATENT DOCUMENTS					
3,384,350	A	5/1968 Powell	5,520,368	A	5/1996 Braesch et al.
3,421,737	A	1/1969 Ulbing	5,522,581	A	6/1996 Kulhavy
3,755,725	A	8/1973 Cordes	5,632,469	A	5/1997 Heun et al.
3,773,296	A	11/1973 McKendrick	5,707,094	A	1/1998 Gower
3,907,120	A	9/1975 Johnston et al.	5,848,781	A	12/1998 Kulhavy
3,921,959	A	11/1975 Ulbing	5,850,928	A	12/1998 Kahlman et al.
3,933,388	A	1/1976 Conboy	5,915,673	A	6/1999 Kazerooni
4,500,074	A	2/1985 Fox et al.	6,140,787	A	10/2000 Lokhorst et al.
4,557,659	A	12/1985 Scaglia	6,241,462	B1	6/2001 Wannasuphprasit
4,636,962	A	1/1987 Broyden et al.	D445,232	S *	7/2001 Price D34/35
4,789,135	A	12/1988 Watanabe	6,386,513	B1	5/2002 Kazerooni
4,844,421	A	7/1989 Kojima	D477,901	S *	7/2003 Robinson D34/33
4,917,360	A	4/1990 Kojima	6,595,493	B2	7/2003 Krebs et al.
D336,713	S *	6/1993 Avitan et al. D34/35	6,622,990	B2	9/2003 Kazerooni
5,261,026	A	11/1993 Tomaru et al.	D499,523	S *	12/2004 Werner et al. D34/35
D346,758	S *	5/1994 Adler D10/124	6,916,015	B2	7/2005 Andreasson
5,350,075	A	9/1994 Kahlman	D526,757	S *	8/2006 Bergman et al. D34/35
5,437,432	A	8/1995 Fujikwa	2003/0047726	A1	3/2003 Nam
5,480,125	A	1/1996 Bitsch et al.	2005/0179020	A1	8/2005 Taylor et al.

* cited by examiner

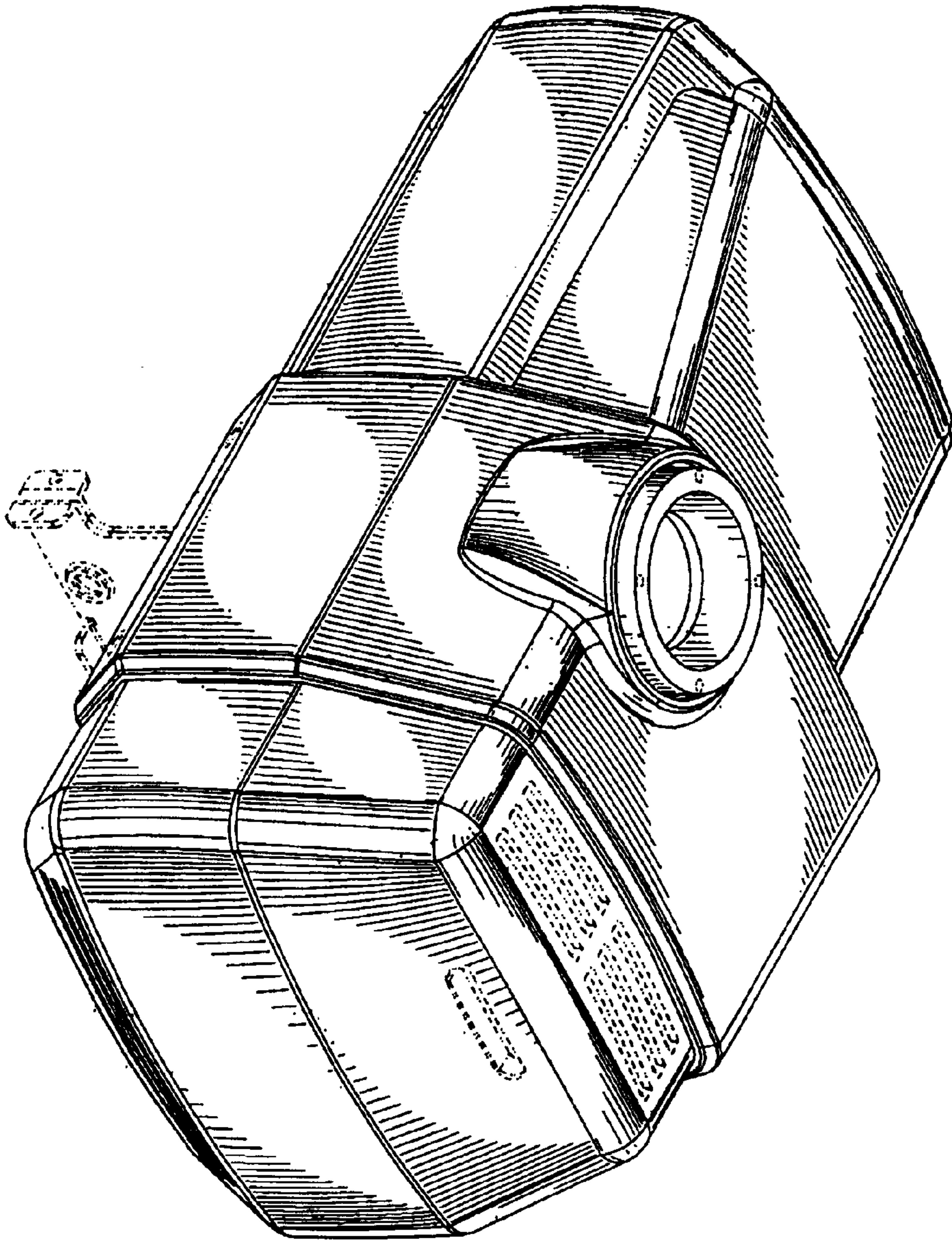


FIG. 1

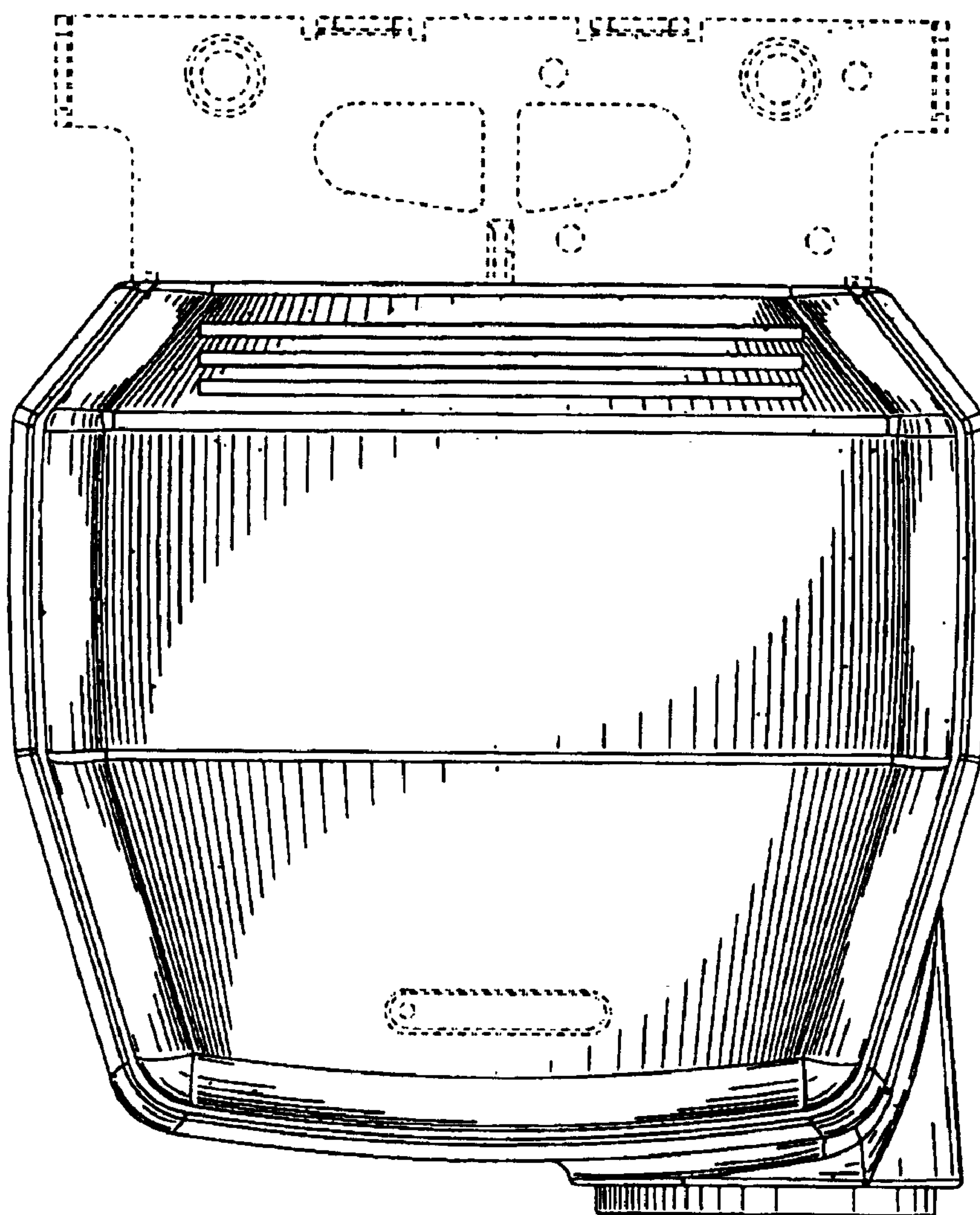


FIG. 2

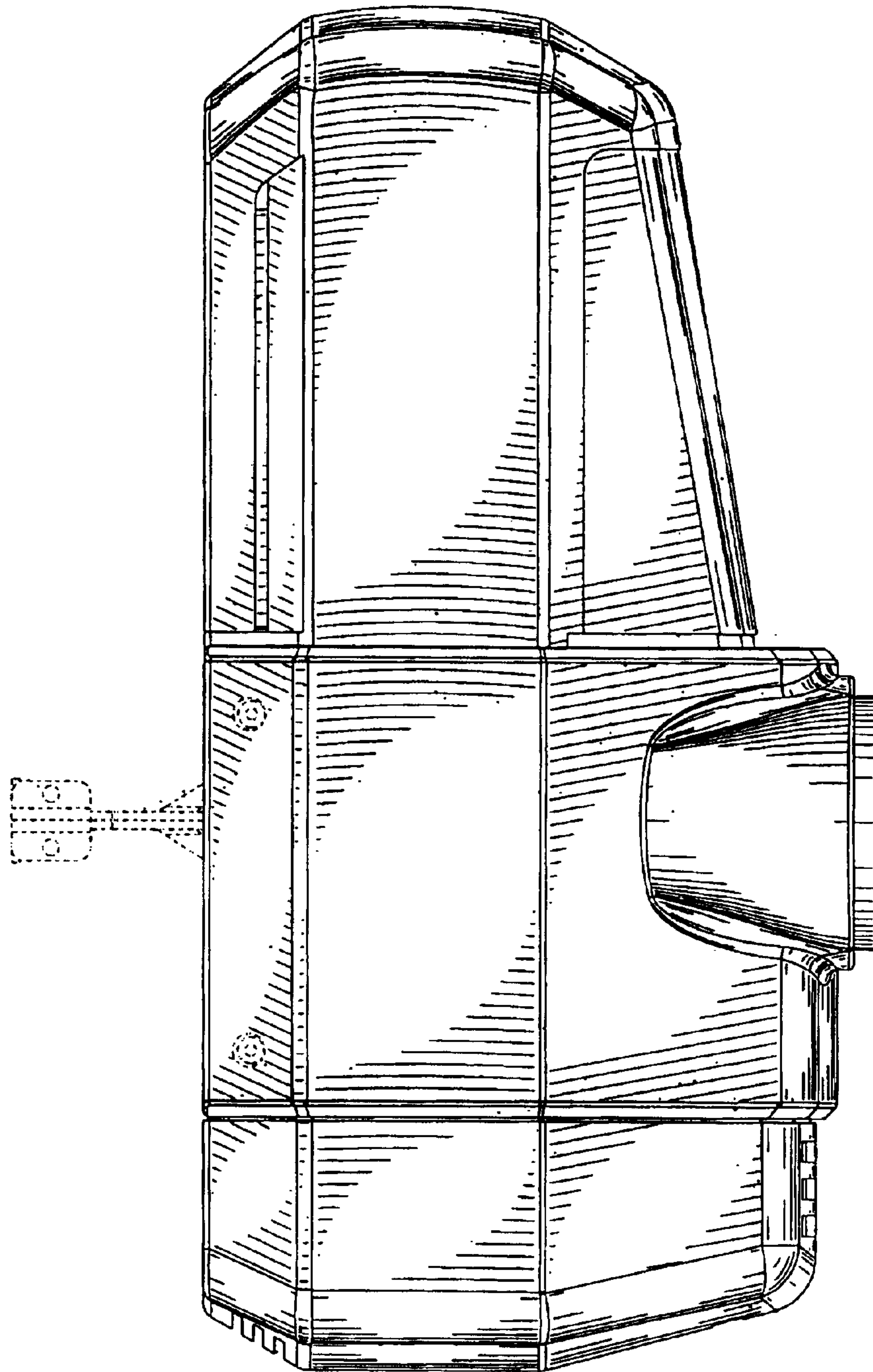


FIG. 3

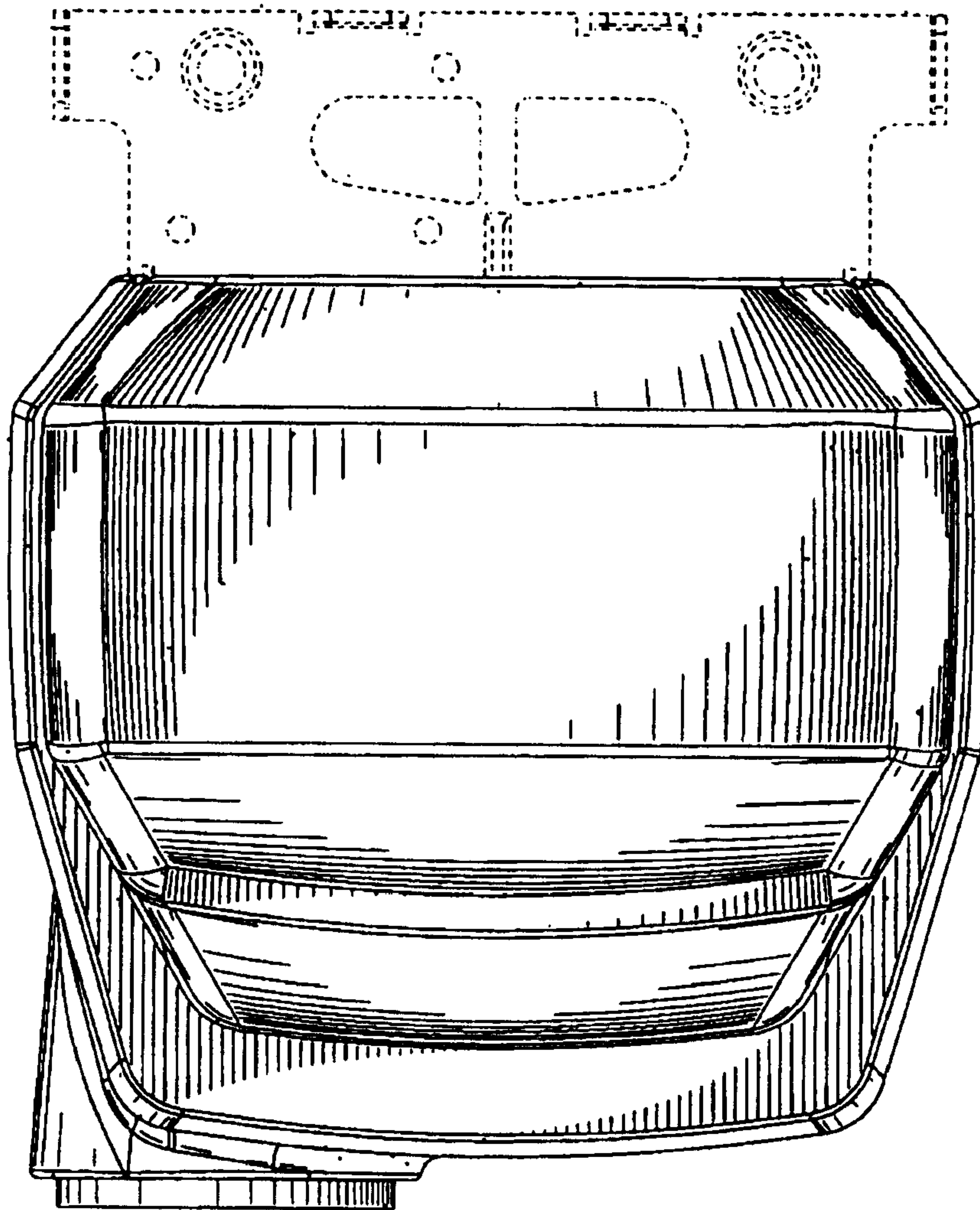


FIG. 4

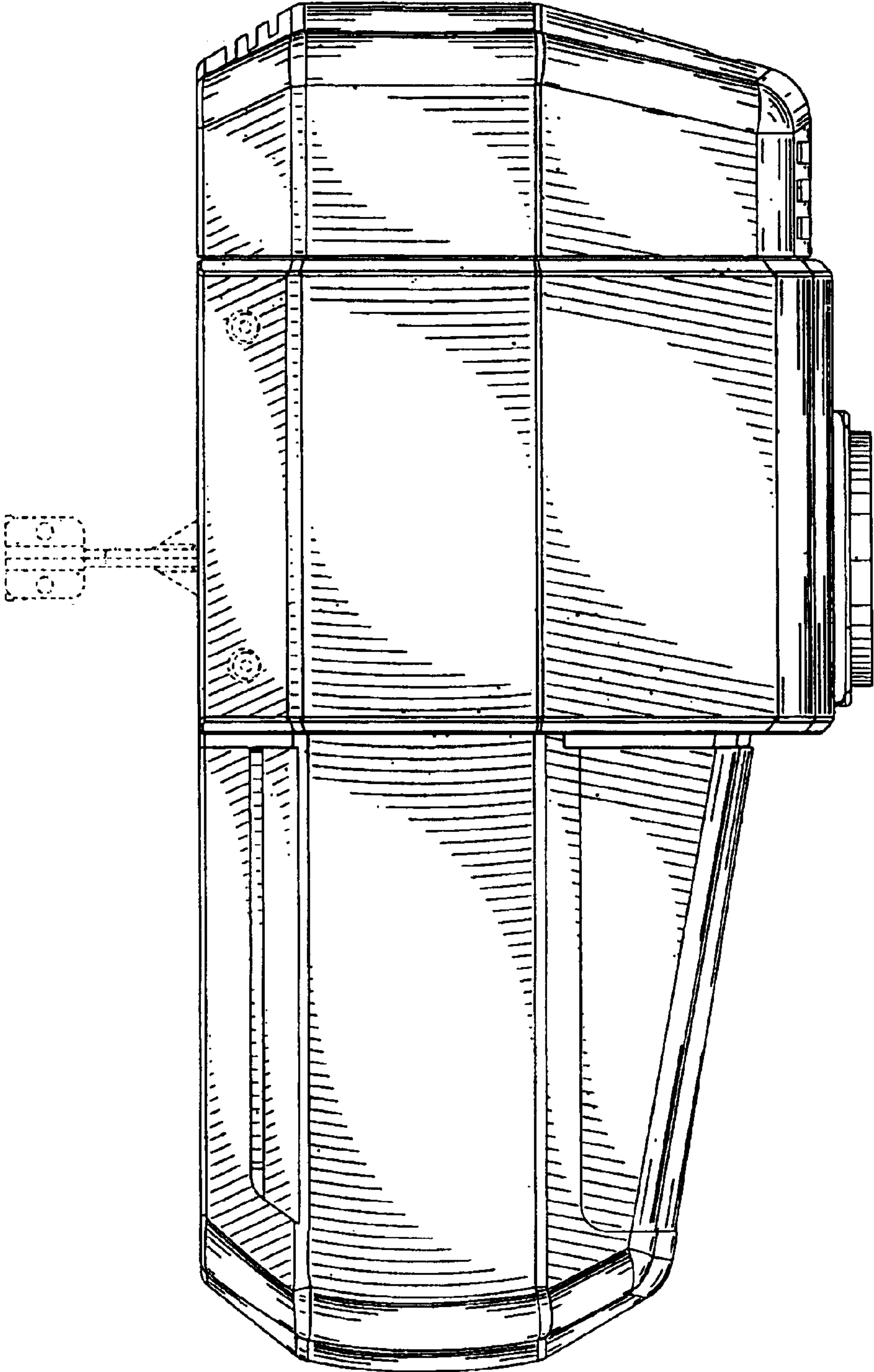


FIG. 5

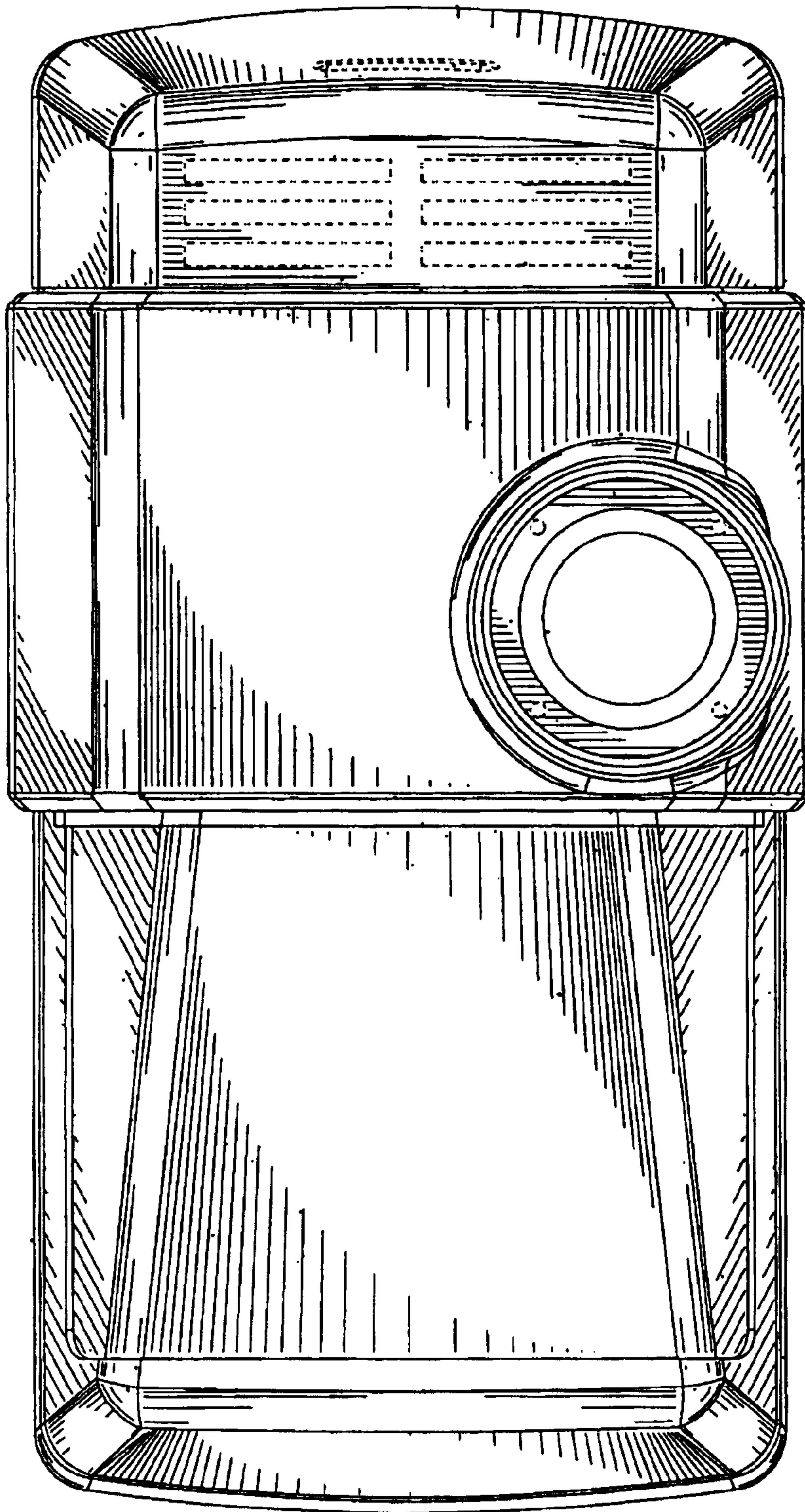


FIG. 6

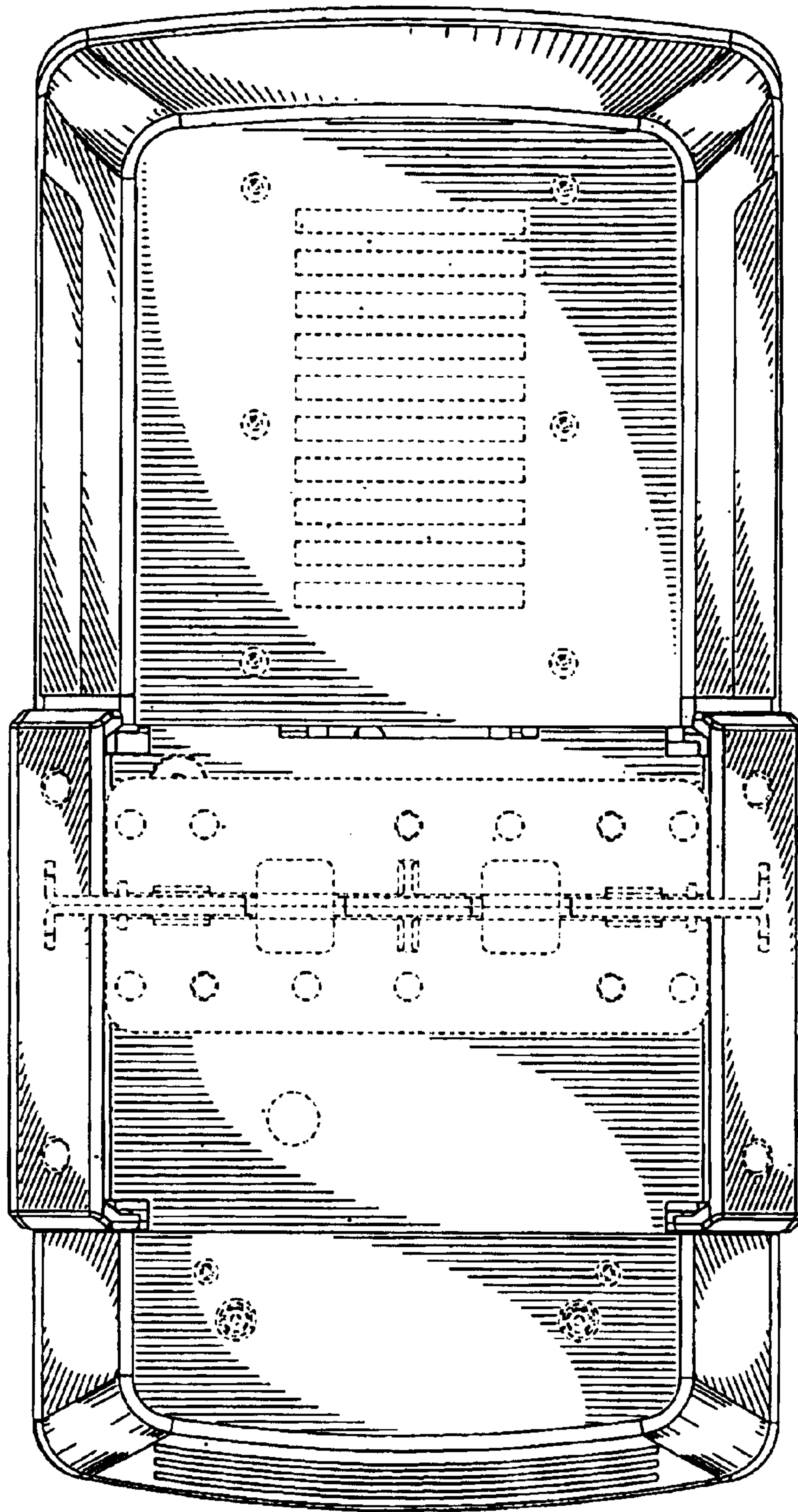


FIG. 7